YAMAHA

DIGITAL KEYBOARD

PSR-E253

YPT-255

Owner's Manual

EN

For PSR-E253/YPT-255

SPECIAL MESSAGE SECTION

This product utilizes batteries or an external power supply (adapter). DO NOT connect this product to any power supply or adapter other than one described in the manual, on the name plate, or specifically recommended by Yamaha.

WARNING: Do not place this product in a position where anyone could walk on, trip over, or roll anything over power or connecting cords of any kind. The use of an extension cord is not recommended! If you must use an extension cord, the minimum wire size for a 25' cord (or less) is 18 AWG. NOTE: The smaller the AWG number, the larger the current handling capacity. For longer extension cords, consult a local electrician.

This product should be used only with the components supplied or; a cart, rack, or stand that is recommended by Yamaha. If a cart, etc., is used, please observe all safety markings and instructions that accompany the accessory product.

SPECIFICATIONS SUBJECT TO CHANGE:
The information contained in this manual is believed to be correct at the time of printing. However, Yamaha reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

This product, either alone or in combination with an amplifier and headphones or speaker/s, may be capable of producing sound levels that could cause permanent hearing loss. DO NOT operate for long periods of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
IMPORTANT: The louder the sound, the shorter the time period before damage occurs.

Some Yamaha products may have benches and / or accessory mounting fixtures that are either supplied with the product or as optional accessories. Some of these items are designed to be dealer assembled or installed. Please make sure that benches are stable and any optional fixtures (where applicable) are well secured BEFORE using.
Benches supplied by Yamaha are designed for seating only. No other uses are recommended.

NOTICE:
Service charges incurred due to a lack of knowledge relating to how a function or effect works (when the unit is operating as designed) are not covered by the manufacturer's warranty, and are therefore the owners responsibility. Please study this manual carefully and consult your dealer before requesting service.

ENVIRONMENTAL ISSUES:
Yamaha strives to produce products that are both user safe and environmentally friendly. We sincerely believe that our products and the production methods used to produce them, meet these goals. In keeping with both the letter and the spirit of the law, we want you to be aware of the following:

Battery Notice:
This product MAY contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

This product may also use "household" type batteries. Some of these may be rechargeable. Make sure that the battery being charged is a rechargeable type and that the charger is intended for the battery being charged.

When installing batteries, never mix old batteries with new ones, and never mix different types of batteries. Batteries MUST be installed correctly. Mismatches or incorrect installation may result in overheating and battery case rupture.

Warning:
Do not attempt to disassemble, or incinerate any battery. Keep all batteries away from children. Dispose of used batteries promptly and as regulated by the laws in your area. Note: Check with any retailer of household type batteries in your area for battery disposal information.

Disposal Notice:
Should this product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc. If your dealer is unable to assist you, please contact Yamaha directly.

NAME PLATE LOCATION:
The name plate is located on the bottom of the product. The model number, serial number, power requirements, etc., are located on this plate. You should record the model number, serial number, and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.

Model ____________________

Serial No. ____________________

Purchase Date ____________________

PLEASE KEEP THIS MANUAL

92-BP (bottom)

For AC adaptor and PSR-E253/YPT-255

FCC INFORMATION (U.S.A.)

1. **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!** This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.
2. **IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.
3. **NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

   Relocate either this product or the device that is being affected by the interference.

   Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

   In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

   If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA90620

   The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.

(class B)

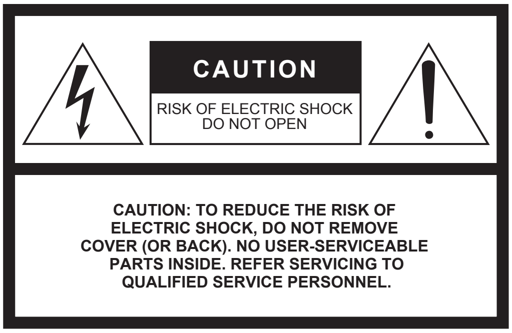
For AC adaptor

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

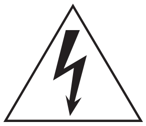
CAN ICES-3 (B)/NMB-3(B)

- This applies only to products distributed by Yamaha Canada Music Ltd.
- Ceci ne s'applique qu'aux produits distribués par Yamaha Canada Musique Ltée.

(can_b_01)



Explanation of Graphical Symbols



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

IMPORTANT SAFETY INSTRUCTIONS

1 **Read these instructions.**
2 **Keep these instructions.**
3 **Heed all warnings.**
4 **Follow all instructions.**
5 **Do not use this apparatus near water.**
6 **Clean only with dry cloth.**
7 **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.**
8 **Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.**
9 **Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.**
10 **Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.**
11 **Only use attachments/accessories specified by the manufacturer.**
12 **Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.**



13 **Unplug this apparatus during lightning storms or when unused for long periods of time.**
14 **Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.**

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

(UL60065_03)

About the Manuals

In addition to this Owner's Manual, the following Online materials (PDF files) are available.

Song Book (only in English, French, German and Spanish)
Contains music scores for the preset Songs (excluding the Demo Songs) of this instrument. After completing the user registration at the website below, you can download this Song Book free of charge.

Yamaha Online Member
https://member.yamaha.com/myproduct/regist/
You will need the PRODUCT ID on the sheet ("Online Member Product Registration") packaged with this manual in order to fill out the User Registration form.

Included Accessories

- Owner's Manual (this book)
- AC adaptor*1
- Music rest
- Online Member Product Registration*2

*1: May not be included depending on your particular locale. Check with your Yamaha dealer.
*2: The PRODUCT ID on the sheet will be needed when you fill out the User Registration form.

Thank you for purchasing this Yamaha Digital Keyboard!
We recommend that you read this manual carefully so that you can fully take advantage of the advanced and convenient functions of the instrument.
We also recommend that you keep this manual in a safe and handy place for future reference.

Contents

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe and handy place for future reference.

For AC adaptor

⚠ *WARNING*

- This AC adaptor is designed for use with only Yamaha electronic instruments. Do not use for any other purpose.
- Indoor use only. Do not use in any wet environments.

⚠ *CAUTION*

- When setting up, make sure that the AC outlet is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch of the instrument and disconnect the AC adaptor from the outlet. When the AC adaptor is connected to the AC outlet, keep in mind that electricity is flowing at the minimum level, even if the power switch is turned off. When you are not using the instrument for a long time, make sure to unplug the power cord from the wall AC outlet.

For PSR-E253/YPT-255

⚠ *WARNING*

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Power supply/AC adaptor

- Do not place the power cord near heat sources such as heaters or radiators. Also, do not excessively bend or otherwise damage the cord, or place heavy objects on it.
- Only use the voltage specified as correct for the instrument. The required voltage is printed on the name plate of the instrument.
- Use the specified adaptor (page 42) only. Using the wrong adaptor can result in damage to the instrument or overheating.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.

Do not open

- This instrument contains no user-serviceable parts. Do not open the instrument or attempt to disassemble or modify the internal components in any way. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel.

Water warning

- Do not expose the instrument to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the instrument, turn off the power immediately and unplug the power cord from the AC outlet. Then have the instrument inspected by qualified Yamaha service personnel.
- Never insert or remove an electric plug with wet hands.

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Fire warning

- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

Battery

- Follow the precautions below. Failure to do so might result in explosion, fire, overheating or battery fluid leakage.
  - Do not tamper with or disassemble batteries.
  - Do not dispose of batteries in fire.
  - Do not attempt to recharge batteries that are not designed to be charged.
  - Keep the batteries separate from metallic objects such as necklaces, hairpins, coins, and keys.
  - Use the specified battery type (page 42) only.
  - Use new batteries, all of which are the same type, same model, and made by the same manufacturer.
  - Always make sure all batteries are inserted in conformity with the +/- polarity markings.
  - When the batteries run out, or if the instrument is not to be used for a long time, remove the batteries from the instrument.
  - When using Ni-MH batteries, follow the instructions that came with the batteries. Use only the specified charger device when charging.
- Keep batteries away from small children who might accidentally swallow them.
- If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.

If you notice any abnormality

- When one of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet. (If you are using batteries, remove all batteries from the instrument.) Then have the device inspected by Yamaha service personnel.
  - The power cord or plug becomes frayed or damaged.
  - It emits unusual smells or smoke.
  - Some object has been dropped into the instrument.
  - There is a sudden loss of sound during use of the instrument.

⚠ CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the instrument or other property. These precautions include, but are not limited to, the following:

Power supply/AC adaptor

- Do not connect the instrument to an electrical outlet using a multiple-connector. Doing so can result in lower sound quality, or possibly cause overheating in the outlet.
- When removing the electric plug from the instrument or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.
- Remove the electric plug from the outlet when the instrument is not to be used for extended periods of time, or during electrical storms.

Location

- Do not place the instrument in an unstable position where it might accidentally fall over.
- Before moving the instrument, remove all connected cables, to prevent damage to the cables or injury to anyone who might trip over them.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.
- Use only the stand specified for the instrument. When attaching it, use the provided screws only. Failure to do so could cause damage to the internal components or result in the instrument falling over.

Connections

- Before connecting the instrument to other electronic components, turn off the power for all components. Before turning the power on or off for all components, set all volume levels to minimum.
- Be sure to set the volumes of all components at their minimum levels and gradually raise the volume controls while playing the instrument to set the desired listening level.

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Handling caution

- Do not insert a finger or hand in any gaps on the instrument.
- Never insert or drop paper, metallic, or other objects into the gaps on the panel or keyboard. This could cause physical injury to you or others, damage to the instrument or other property, or operational failure.
- Do not rest your weight on, or place heavy objects on the instrument, and do not use excessive force on the buttons, switches or connectors.
- Do not use the instrument/device or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the instrument, or data that is lost or destroyed.

Always turn the power off when the instrument is not in use.

Even when the [⏻] (Standby/On) switch is in standby status, electricity is still flowing to the instrument at the minimum level.

When you are not using the instrument for a long time, make sure you unplug the power cord from the wall AC outlet.

Make sure to discard used batteries according to local regulations.

NOTICE

To avoid the possibility of malfunction/ damage to the product, damage to data, or damage to other property, follow the notices below.

■ Handling

- Do not use the instrument in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the instrument, TV, or radio may generate noise. When you use the instrument along with an application on your iPhone, iPad or iPod touch, we recommend that you set "Airplane Mode" to "ON" on that device in order to avoid noise caused by communication.
- Do not expose the instrument to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration, damage to the internal components or unstable operation. (Verified operating temperature range: 5° – 40°C, or 41° – 104°F.)
- Do not place vinyl, plastic or rubber objects on the instrument, since this might discolor the panel or keyboard.

■ Maintenance

- When cleaning the instrument, use a soft cloth. Do not use paint thinners, solvents, alcohol, cleaning fluids, or chemical-impregnated wiping cloths.

■ Saving data

- Some of the data of this instrument (page 32) are retained when the power is turned off. However, the saved data may be lost due to some failure, an operation mistake, etc.

Information

■ About copyrights

- Copying of the commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.
- This product incorporates and bundles contents in which Yamaha owns copyrights or with respect to which Yamaha has license to use others' copyrights. Due to copyright laws and other relevant laws, you are NOT allowed to distribute media in which these contents are saved or recorded and remain virtually the same or very similar to those in the product.
  * The contents described above include a computer program, Accompaniment Style data, MIDI data, WAVE data, voice recording data, a score, score data, etc.
  * You are allowed to distribute medium in which your performance or music production using these contents is recorded, and the permission of Yamaha Corporation is not required in such cases.

■ About functions/data bundled with the instrument

- Some of the preset songs have been edited for length or arrangement, and may not be exactly the same as the original.

■ About this manual

- The illustrations and LCD screens as shown in this manual are for instructional purposes only, and may appear somewhat different from those on your instrument.
- iPhone, iPad and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

The model number, serial number, power requirements, etc., may be found on or near the name plate, which is at the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model No. ____________________

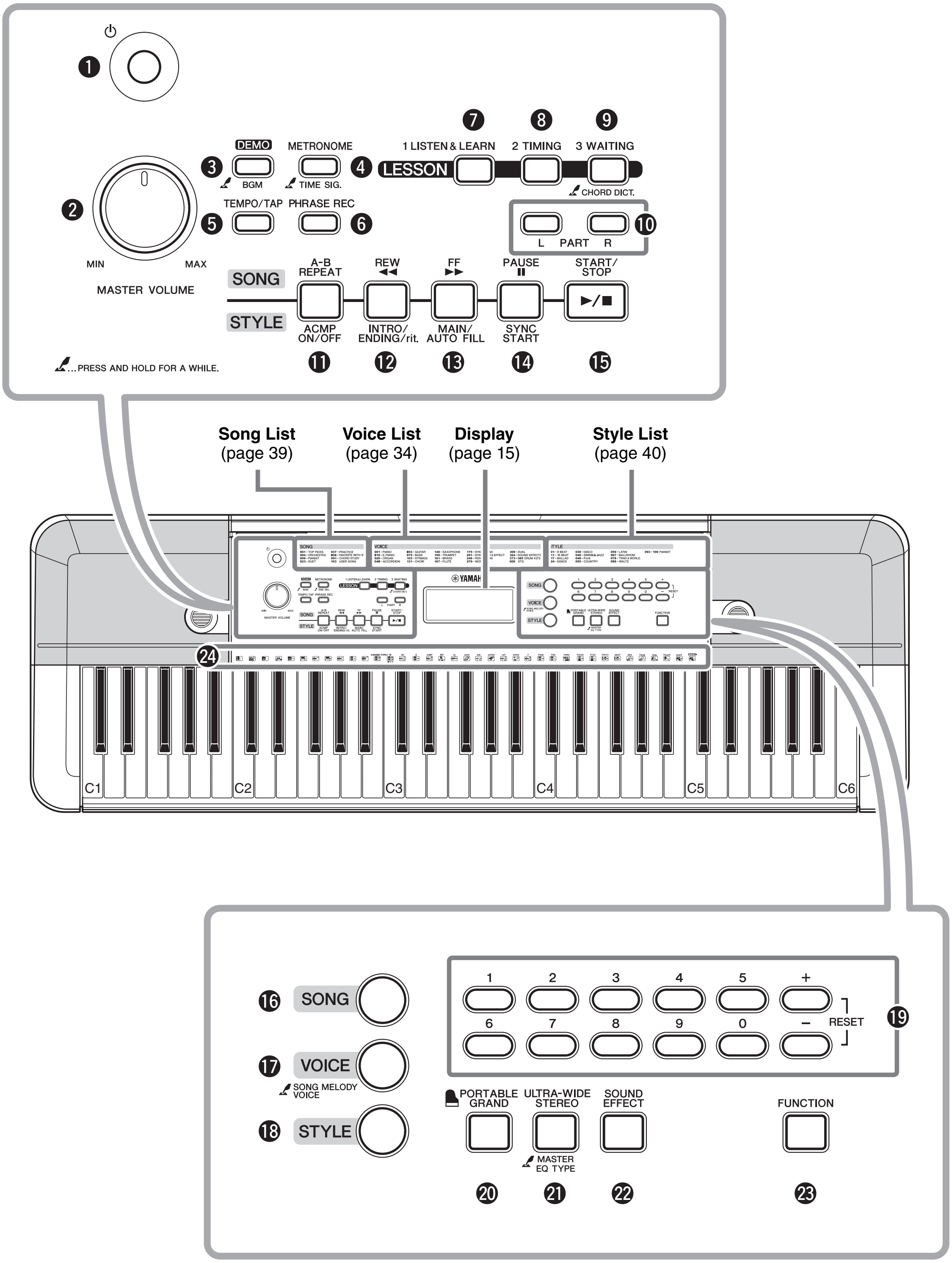
Serial No. ____________________

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Panel Controls and Terminals

Front Panel



1 [⏻] (Standby/On) switch .... page 13
2 [MASTER VOLUME] dial .... page 14
3 [DEMO] button .... page 23
4 [METRONOME] button .... page 17
5 [TEMPO/TAP] button .... page 19
6 [PHRASE REC] button .... page 29
7 [1 LISTEN & LEARN] button .... page 27
8 [2 TIMING] button .... page 27
9 [3 WAITING] button .... page 27
10 LESSON PART
[L] button .... page 27
[R] button .... page 27

In the Song mode

11 [A-B REPEAT] button .... page 24
12 [REW] button .... page 24
13 [FF] button .... page 24
14 [PAUSE] button .... page 24

In the Style mode

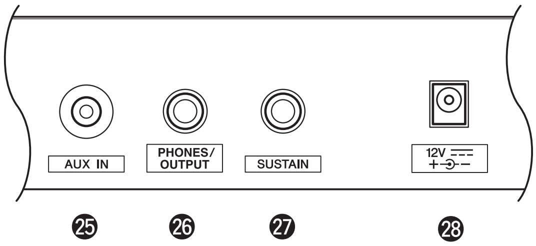
11 [ACMP ON/OFF] button .... page 18
12 [INTRO/ENDING/rit.] button .... page 19
13 [MAIN/AUTO FILL] button .... page 19
14 [SYNC START] button .... page 18

15 [START/STOP] button .... page 23
16 [SONG] button .... page 23
17 [VOICE] button .... page 16
18 [STYLE] button .... page 18
19 Number buttons [0]–[9], [+], [-] .... page 15
20 [PORTABLE GRAND] button .... page 16
21 [ULTRA-WIDE STEREO] button .... page 17
22 [SOUND EFFECT] button .... page 16
23 [FUNCTION] button .... page 30
24 Drum illustrations for the Drum Kit .... page 16
Each of these indicates the drum or percussion instrument assigned to the corresponding key for “Standard Kit 1.”

Keyboard
Since this keyboard does not have touch response, the level of the sound does not change in response to your playing strength. Therefore, your performance may not sound correctly as in the preset Songs.

The “Press & Hold” Symbol
Buttons having this indication can be used to call up an alternate function when the relevant button is pressed and held. Hold down this button until the function is called up.

Rear Panel



25 [AUX IN] jack .... page 28
26 [PHONES/OUTPUT] jack .... page 13
27 [SUSTAIN] jack .... page 13
28 DC IN jack .... page 12

Power Requirements

Although the instrument will run either from an AC adaptor or batteries, Yamaha recommends use of an AC adaptor whenever possible. An AC adaptor is more environmentally friendly than batteries and does not deplete resources.

Using an AC adaptor

1 Make sure that the power of the instrument is off (the backlight display is off).

⚠ **WARNING**

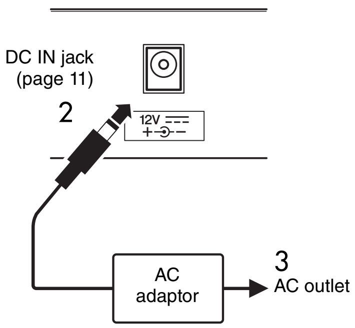
- ***Use the specified adaptor (page 42) only. Using the wrong adaptor can result in damage to the instrument or overheating.***
- ***See "For the AC adaptor with a Removable Plug" (page 46).***

2 Connect the AC adaptor to the DC IN jack (power supply jack).

3 Plug the AC adaptor into an AC outlet.

⚠ **CAUTION**

- ***When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet.***



NOTE

- *After turning off the power, follow this procedure in reverse order to disconnect the AC adaptor.*
- *Power will be automatically drawn from the AC adaptor if an AC adaptor is connected while batteries are installed in the instrument.*

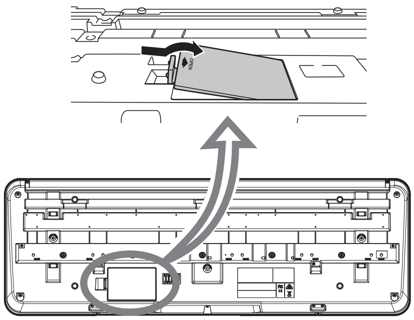
Using Batteries

This instrument requires six "AA" size, Alkaline (LR6)/ Manganese (R6) batteries, or rechargeable nickel-metal hydride batteries (rechargeable Ni-MH batteries). The Alkaline batteries or rechargeable Ni-MH batteries are recommended for this instrument, since other types may result in poorer battery performance.

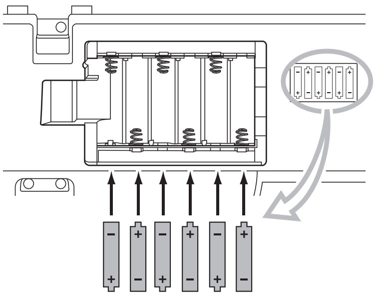
■ Installing the batteries

1 Make sure that the power of the instrument is off.

2 Open the battery compartment cover located on the instrument's bottom panel.



3 Insert the six new batteries, being careful to follow the polarity markings on the inside of the compartment.



4 Replace the compartment cover, making sure that it locks firmly in place.

NOTICE

- ***Connecting or disconnecting the AC adaptor with batteries installed may turn the power off, resulting in loss of data being recorded or transferred at the time.***
- ***Change the setting of the instrument according to the kind of battery you are using (Battery Type; page 42).***

When battery power becomes too low for proper operation, the volume may be reduced, the sound may be distorted, and other problems may occur. When this happens, make sure to replace all batteries with new ones or already-recharged ones.

NOTE

- *This instrument cannot charge the batteries. Use only the specified charger device when charging.*
- *Power will be automatically drawn from the AC adaptor if an AC adaptor is connected while batteries are installed in the instrument.*

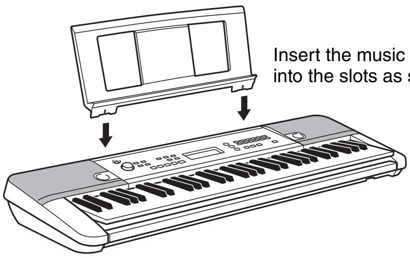
■ Setting the battery type

After installing new batteries and turning the power on, make sure to set the Battery Type appropriately (rechargeable or not) via Function number 023 (page 31).

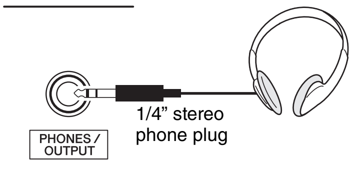
NOTICE

- ***Failure to set the Battery Type may shorten the amount of the battery life. Make sure to set the Battery Type correctly.***

Using the music rest



Connecting Headphones (sold separately) or External Audio Equipment



A pair of stereo headphones with a 1/4” stereo phone plug can be plugged in here for convenient monitoring. The speakers are automatically shut off when a plug is inserted into this jack.
The [PHONES/OUTPUT] jack also functions as an external output. You can connect the [PHONES/OUTPUT] jack to a computer, a keyboard amplifier, stereo system, mixer, recorder, or other line-level audio device to send the instrument’s output signal to that device.

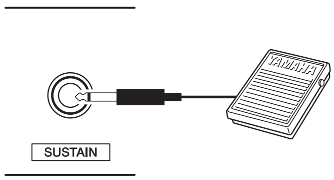
⚠ CAUTION

- ***Do not use the instrument/device or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.***
- ***Before connecting the instrument to other electronic components, set all volume levels to the minimum, then turn off the power for all components.***

NOTICE

- ***When the instrument’s sound is output to an external device, first turn on the power to the instrument, then to the external device. Reverse this order when you turn the power off.***

Connecting a Footswitch to the [SUSTAIN] jack



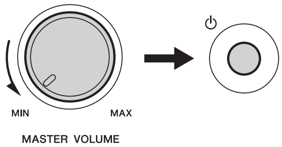
You can produce a natural sustain as you play by pressing a Footswitch (FC5/FC4A; sold separately) plugged into the [SUSTAIN] jack.

NOTE

- *Make sure that the footswitch plug is properly connected to the [SUSTAIN] jack before turning on the power.*
- *Do not press the footswitch while turning the power on. Doing this changes the recognized polarity of the footswitch, resulting in reversed footswitch operation.*
- *The sustain function does not affect style (automatic accompaniment; page 18).*

Turning the Power On/Off

1 Turn down the [MASTER VOLUME] dial to “MIN.”



2 Press the [⏻] (Standby/On) switch to turn on the power. While playing the keyboard, adjust the [MASTER VOLUME] dial. To turn off the power, press the [⏻] (Standby/On) switch again for a second.

⚠ CAUTION

- ***When using an AC adaptor, even when the power is off, a small amount of electricity is still being consumed by the instrument. When you are not using the instrument for a long time, make sure to unplug the AC adaptor from the wall AC outlet.***

Auto Power Off Function

To prevent unnecessary power consumption, this instrument features an Auto Power Off function that automatically turns the power off if the instrument is not operated for a specified period of time. The amount of time that will elapse before the power is automatically turned off is set by default to 30 minutes.

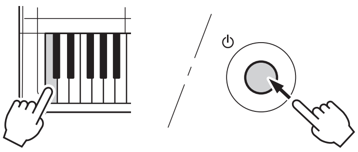
■ To set the time that elapses before Auto Power Off is executed:

Press the [FUNCTION] button several times until "AutoOff" (Function 022; page 31) appears, then use the [+] or [-] button to select the desired value.

Settings: OFF, 5, 10, 15, 30, 60, 120 (minutes)
Default value: 30 (minutes)

■ To disable the Auto Power Off function:

Turn off the power, then press the [⏻] (Standby/On) switch to turn on the power while holding down the lowest key. The Auto Power Off function also can be disabled by selecting Off in Function number 022 (page 31).



NOTE

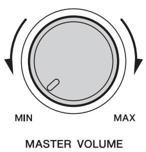
- *Generally, the data and settings are maintained even when the power is turned off. For details, see page 32.*

NOTICE

- ***Depending on the instrument status, the power may not turn off automatically, even after the elapse of the specified period of time. Always turn off the power manually when the instrument is not in use.***
- ***When the instrument is not operated for a specified period of time while connected to an external device such as an amplifier, speaker or computer, make sure to follow the instructions in the Owner's Manual to turn off the power to the instrument and the connected devices, in order to protect the devices from damage. If you do not want the power to turn off automatically when a device is connected, disable Auto Power Off.***

Setting the Volume

When you start playing, use the [MASTER VOLUME] dial to adjust the volume of the entire keyboard sound.



⚠ CAUTION

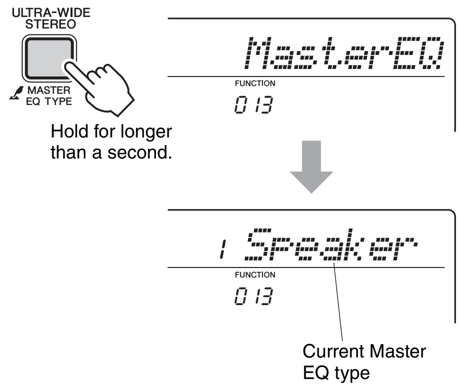
- ***Do not use this instrument at a high volume level for a long period of time, or your hearing may be damaged.***

Selecting an EQ Setting for the Best Sound

Six different master equalizer (EQ) settings give you the best possible sound when listening through different reproduction systems—the instrument's internal speakers, headphones, or an external speaker system.

1 Hold down the [ULTRA-WIDE STEREO] button for longer than a second to call up "013 MasterEQ" (Function 013; page 31).

"MasterEQ" is shown in the display for a few seconds, and the current Master EQ type appears.



2 Use the [+] or [-] button to select the desired Master EQ type.

Master EQ types

1	Speaker	Optimum for listening via the instrument's built-in speakers.
2	Headphone	Optimum for headphones, or for listening via external speakers.
3	Boost	Features more powerful sound.
4	Piano	Optimum for piano solo performance.
5	Bright	Lowers the mid range for a brighter sound.
6	Mild	Lowers the high range for a softer sound.

Display Items and Basic Operations

Display Items

Notation

Normally this indicates the notes you play. When the Song Lesson function is used, this indicates the current notes and chord of playback. When the Dictionary function (page 21) is used, this indicates the notes of the chord you specify.

NOTE

- *Any notes occurring below or above the staff are indicated by "8va."*
- *For a few specific chords, not all notes may be shown, due to space limitations in the display.*

Song/Voice/Style

These indicate the operating condition of the instrument.

SONG
VOICE
STYLE

On/Off status

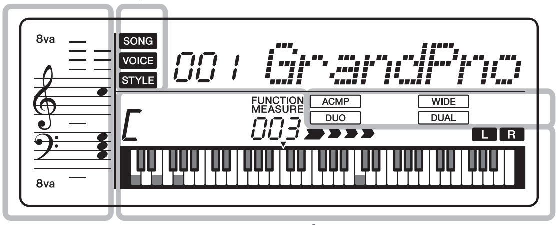
Each indication is shown when the corresponding function is turned on.

WIDE ... Ultra-Wide Stereo (page 17)

ACMP ... Auto Accompaniment (page 18)

DUAL ... Indicates that a Dual Voice (No.309–323) is selected.

DUO ... Duo (page 22)



Chord

Indicates the chord which is played on the Auto Accompaniment range (page 18) of the keyboard, or specified via Song playback.

C

Measure or Function

Normally indicates the current measure number of current Style or Song. When the [FUNCTION] button (page 30) is in use, this indicates the Function number.

MEASURE 003 FUNCTION 023

Keyboard Display

Indicates notes currently being played. Indicates the melody and chord notes of a Song when the Song lesson function is in use. Also indicates the notes of a chord—either when playing a chord or when using the Dictionary function (page 21).



Song Track status

Indicates the on/off status of Song playback or target Track of Song recording (page 25).

L R

R **Lit:** Track contains data

R **Unlit:** Track is muted or contains no data

Beat

Indicates the current beat of playback.

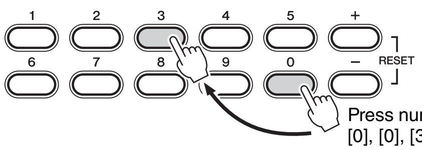
Basic Operations

Before operating the instrument, it may be helpful to familiarize yourself with the basic controls below that are used to select items and change values.

■ Number buttons

Use the Number buttons to directly enter an item or value. For numbers that start with one or two zeroes, the first zeroes can be omitted.

Example: Selecting Voice 003, Bright Piano.

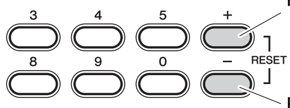


Press number buttons [0], [0], [3], or simply press [3].

■ [-] and [+] buttons

Press the [+] button briefly to increase the value by 1, or press the [-] button briefly to decrease the value by 1. Press and hold either button to continuously increase or decrease the value in the corresponding direction.

Press briefly to increase.



Press briefly to decrease.

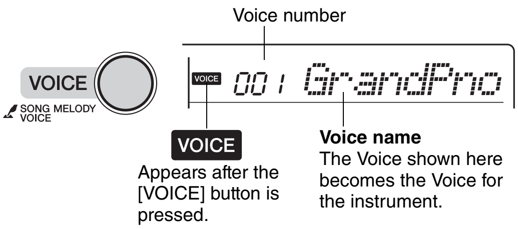
Playing a Variety of Instrument Voices

In addition to piano, organ, and other "standard" keyboard instruments, this instrument has a large range of Voices that includes guitar, bass, strings, sax, trumpet, drums and percussion, and even sound effects—giving you a wide variety of musical sounds.

Selecting a Voice

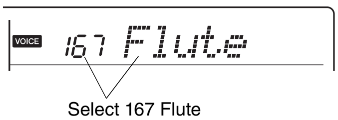
1 Press the [VOICE] button.

The Voice number and name will be shown.

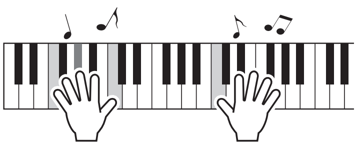


2 Use the number buttons [0]–[9], [+], [-] buttons to select the desired Voice.

Refer to the Voice List on page 34.



3 Play the keyboard.



Preset Voice Types

001–372	Instrument Voices (including sound effects).
373–385 (Drum Kit)	Various drum and percussion sounds are assigned to individual keys, from which they can be played. Details on the instruments and key assignments of each Drum Kit can be found in the Drum Kit List on page 36.
000	**One Touch Setting** The One Touch Setting feature automatically selects the most suitable Voice when you select a Style or Song (excepting the Song inputted from the [AUX IN] jack). Simply select Voice number "000" to activate this feature.

Fun Sounds

You'll be able to play various sound effects from the keyboard: barking, braying, yelling, and much more. Press the [SOUND EFFECT] button.



Try out each key and enjoy the sounds. Don't forget the black keys! After trying out these sounds, press the [PORTABLE GRAND] button to reset the instrument Voice to the default setting of Voice "Grand Piano." For details on the sound effects assigned to each key, refer to Drum Kit List (Voice No.385) on page 36.

Playing the "Grand Piano"

When you want to reset various settings to default and simply play a Piano sound, press the [PORTABLE GRAND] button.



The Voice "001 Grand Piano" will automatically be selected as the Voice.

Using the Metronome

The instrument features a built-in metronome (a device that keeps an accurate tempo), convenient for practicing.

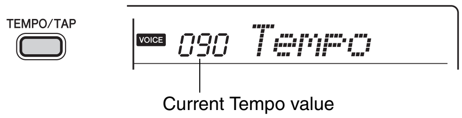
1 Press the [METRONOME] button to start the metronome.



2 Press the [METRONOME] button again to stop the metronome.

To change the tempo:

Press the [TEMPO/TAP] button to call up the Tempo value, then use the number buttons [0]–[9], [+], [-].



Press the [+] and [-] buttons simultaneously to instantly reset the value to the default tempo.

To set the Time Signature:

Press and hold the [METRONOME] button to call up "TimeSigN" (Functions 016; page 31), then use the Number buttons.

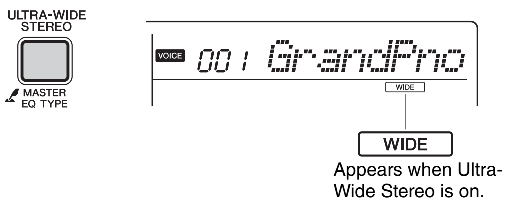
To set the Metronome Volume:

This can be set via Function number 017 (page 31).

Playing with enhanced, more spacious sound (Ultra-Wide Stereo)

You can play the keyboard with a spacious, wider sound effect that gives you the sensation of hearing the sound outside of the speakers by turning on the Ultra-Wide Stereo effect.

1 Press the [ULTRA-WIDE STEREO] button to turn it on.



The sound will expand around you—as if the speaker position is outside of the instrument.

2 Press the [ULTRA-WIDE STEREO] button again to turn it off.

To select the Ultra-Wide Stereo type:

Press the [FUNCTION] button several times to call up "Wide" (Function 014; page 31), then use the Number buttons.

Applying Effects to the Sound

This instrument can apply various Effects as listed below to the instrument's sound.

●Reverb

Adds the ambience of a club or concert hall to the sound. Although the best-suited Reverb type is called up by selecting a Song or Style, you can select another one via Function number 009 (page 31). You can also set the Reverb depth via Function number 010 (page 31).

●Chorus

Makes the Voice sound richer, warmer and more spacious. Although the best-suited Chorus type is called up by selecting a Song or Style, you can select another one via Function number 011 (page 31).

●Panel Sustain

By turning on the Sustain parameter of Function number 012 (page 31), you can add a fixed, automatic sustain to the keyboard Voices. Sustain can also be applied as desired with the footswitch (sold separately; page 13).

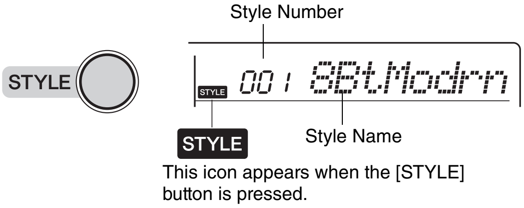
NOTE
- *Even if you turn on Panel Sustain, there are some Voices to which sustain is not applied.*

Playing Styles

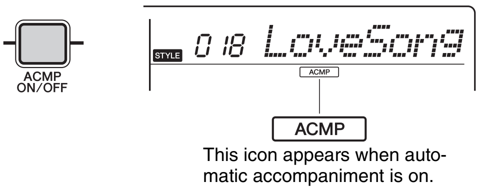
This instrument includes the Auto Accompaniment feature that plays appropriate "Styles" (rhythm + bass + chord accompaniment). You can select from a huge variety of Styles covering a wide range of musical genres.

1 Press the [STYLE] button, then use the number buttons [0]–[9], [+], [-] to select the desired Style.

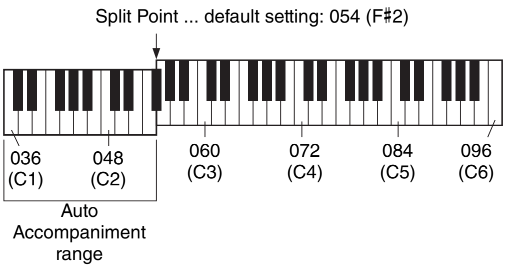
The Style List is provided on the front panel, or in the Style List (page 40).



2 Press the [ACMP ON/OFF] button to turn on the Auto Accompaniment.

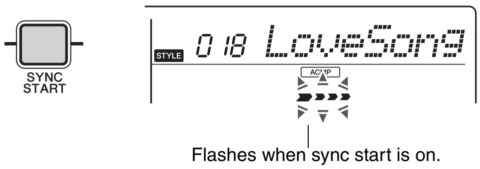


With this operation, the area of the keyboard to the left of the Split Point (054: F#2) becomes the "Auto Accompaniment range" and is used only for specifying the chords.



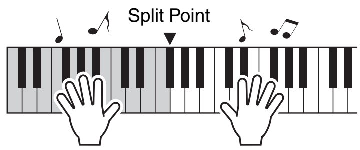
The highest key for the Auto Accompaniment range is referred to as the "Split Point," which can be changed from the default of F#2 via Function number 005 (page 30).

3 Press the [SYNC START] button to turn Synchro Start on.

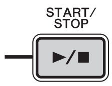


4 Play a chord in the Auto Accompaniment range to start playback.

Play a melody with the right hand and chords with the left hand.
For information about chords, refer to "Chord Types for Style Playback" (page 20) or use the Chord Dictionary function (page 21).



5 Press the [START/STOP] button to stop playback.



You can add intro, ending and rhythm variations to Style playback by using "Sections." For details, refer to page 19.

To play back the rhythm part only
If you press the [START/STOP] button (without pressing the [ACMP ON/OFF] button in step 2), only the rhythm part can be played back, and you can play a melody performance using the entire keyboard range.

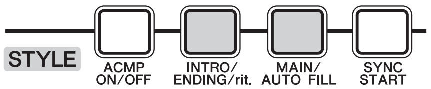
NOTE
- *Since the Pianist category Styles (093–100) have no rhythm parts, no sound will be produced if you start rhythm-only playback. When playing these Styles, make sure to carry out Steps 2–4 on this page.*

Adjusting the Style Volume

To adjust the volume balance between Style playback and keyboard, you can adjust the Style Volume. This can be set via Function number 001 (page 30).

Style Variations—Sections

Each Style consists of “Sections” that allow you to vary the arrangement of the accompaniment to match the song you are playing. These instructions cover a typical example for using the Sections.

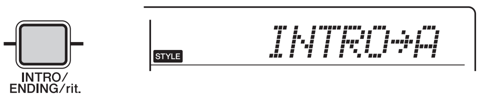


1–3
Same as Steps 1–3 in page 18.

4 Press the [MAIN/AUTO FILL] button to select Main A or Main B.

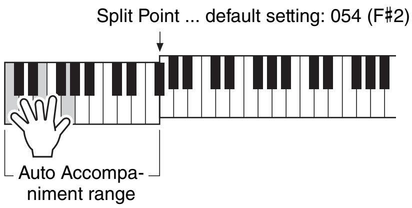


5 Press the [INTRO/ENDING/rit.] button.

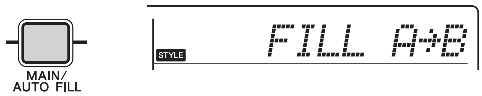


Now, you’re ready to start Style playback from the Intro section.

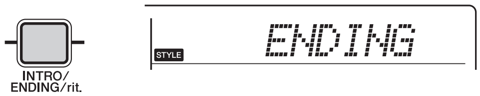
6 Play a chord with your left hand to start playback of the Intro.
For this example, play a C major chord (as shown below). For information on how to enter chords, see “Chord Types for Style Playback” on page 20.



7 After the Intro finishes, play the keyboard according to the progression of the Song you are playing.
Play chords with your left hand while playing melodies with your right hand, and press the [MAIN/AUTO FILL] button as necessary. The Section will change to Fill-in then Main A or B.



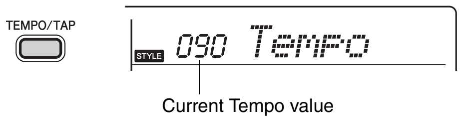
8 Press the [INTRO/ENDING/rit.] button.



The Section switches to the Ending. When the Ending is finished, Style playback stops automatically. You can have the Ending gradually slow down (ritardando) by pressing the [INTRO/ENDING/rit.] button again while the Ending is playing back.

Changing the Tempo

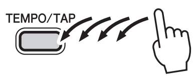
Press the [TEMPO/TAP] button to call up the Tempo value, then use the [-] and [+] buttons to adjust the Tempo value.



Press the [+] and [-] buttons simultaneously to reset the value to the default tempo of the current Style or Song.

Using the Tap function

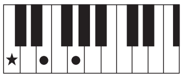
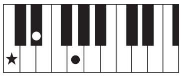
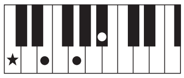
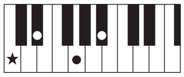
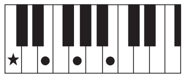
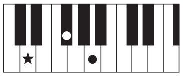
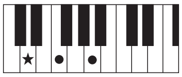
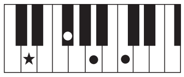
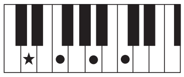
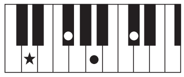
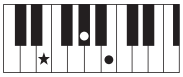
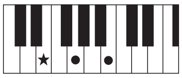
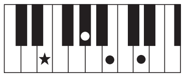
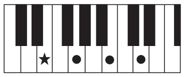
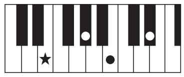
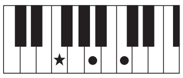
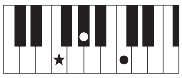
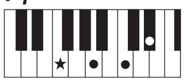
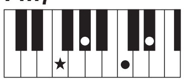
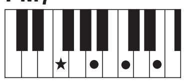
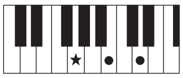
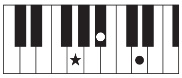
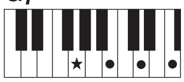
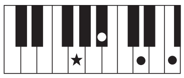
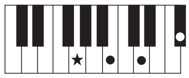
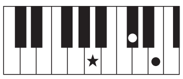
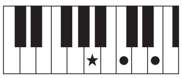
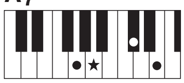
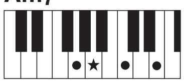
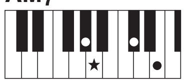
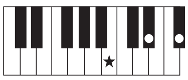
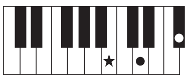
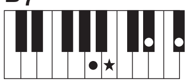
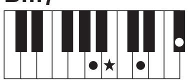
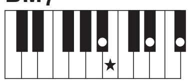
While a Song or Style is playing back, press the [TEMPO/TAP] button just twice at the desired tempo to change the tempo. While Song or Style playback is stopped, tap the [TEMPO/TAP] button several times to start playback at the tapped tempo—four times for a 4-beat Song or Style or three times for a 3-beat Song or Style.



Chord Types for Style Playback

For users who are new to chords, this chart conveniently shows how to play common chords in the Auto Accompaniment range of the keyboard. Since there are many useful chords and many different ways to use them musically, refer to commercially available chord books for further details.

★ indicates the root note.

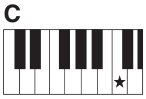
Major	Minor	Seventh	Minor Seventh	Major Seventh
C 	Cm 	C7 	Cm7 	CM7 
D 	Dm 	D7 	Dm7 	DM7 
E 	Em 	E7 	Em7 	EM7 
F 	Fm 	F7 	Fm7 	FM7 
G 	Gm 	G7 	Gm7 	GM7 
A 	Am 	A7 	Am7 	AM7 
B 	Bm 	B7 	Bm7 	BM7 

- *Inversions can be used as well as in "root" position—with the following exceptions:*
  m7, m7♭5, 6, m6, sus4, aug, dim7, 7♭5, 6(9), sus2
- *Inversion of the 7sus4 and m7(11) chords are not recognized if the notes are omitted.*
- *Sus2 chords are indicated by the root name only.*
- *When playing a chord which cannot be recognized by this instrument, nothing is shown on the display. In such a case, only the rhythm and bass parts will be played.*

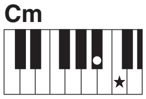
Easy Chords

This method lets you easily play chords in the accompaniment range of the keyboard using only one, two, or three fingers.

For root "C"

C


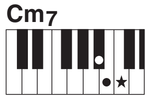
To play a major chord
Press the root note (★) of the chord.

Cm


To play a minor chord
Press the root note together with the nearest black key to the left of it.

C7


To play a seventh chord
Press the root note together with the nearest white key to the left of it.

Cm7


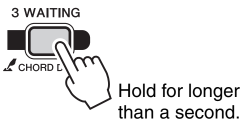
To play a minor seventh chord
Press the root note together with the nearest white and black keys to the left of it (three keys altogether).

Looking Up Chords Using the Chord Dictionary

The Dictionary function is useful when you know the name of a certain chord and want to quickly learn how to play it.

1 Press and hold the [3 WAITING] button for longer than a second to call up "Dict."

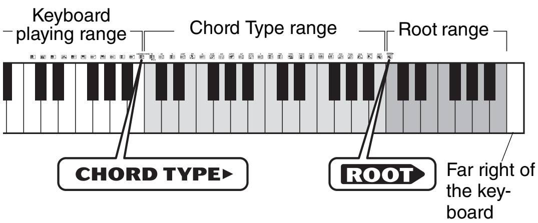
"Dict." will appear in the display.





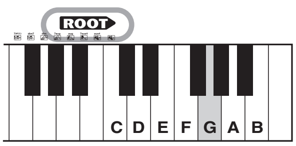
This operation will divide the entire keyboard into the three ranges as illustrated below.

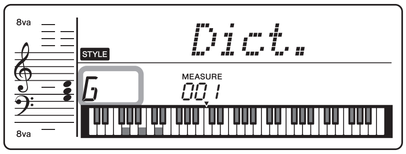
- The range to the right of "ROOT ▶":
  Lets you specify the Chord Root, but produces no sound.
- The range between "CHORD TYPE ▶" and "ROOT ▶":
  Lets you specify the Chord Type, but produces no sound.
- The range to the left of "CHORD TYPE ▶":
  Lets you play and confirm the Chord specified in the above two ranges.



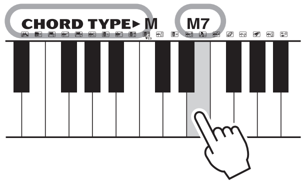
2 As an example, learn how to play a GM7 (G major seventh) chord.

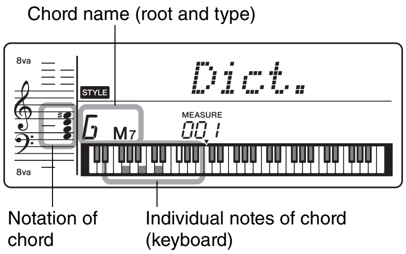
2-1. Press the "G" key in the section to the right of "ROOT ▶" so that the "G" is shown as the root note.





2-2. Press the key labeled "M7" in the section between "CHORD TYPE ▶" and "ROOT." The notes you should play for the specified chord (root note and chord type) are conveniently shown in the display, both as notation and in the keyboard diagram.





To call up possible inversions of the chord, press the [+]/[-] buttons.

NOTE

- *About major chords: Simple major chords are usually indicated only by the root note. For example, "C" refers to C major. However, when specifying major chords here, make sure to select "M" (major) after pressing the root note.*
- *These chords are not shown in the Chord Dictionary function: 6(9), M7(9), M7(#11), ♭5, M7♭5, M7aug, m7(11), mM7(9), mM7♭5, 7♭5, sus2*

3 Following the notation and keyboard diagram in the display, try playing a chord in the range to the left of "CHORD TYPE ▶."

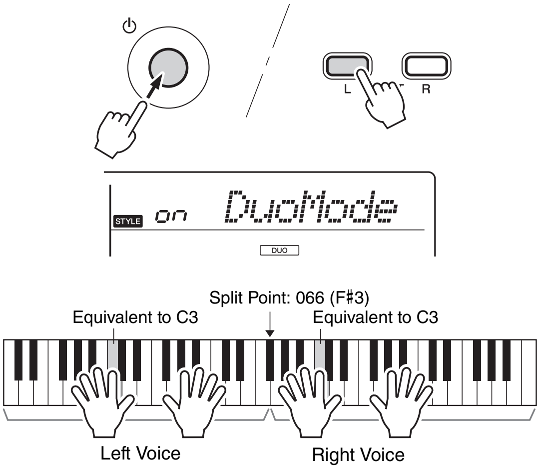
When you've played the chord properly, a bell sound signals your success and the chord name in the display flashes.

Playing the keyboard with two persons (Duo mode)

When the Duo mode is activated on this instrument, two different players can play the instrument simultaneously, with the same sound, over the same octave range—one person on the left and the other on the right. This is useful for learning applications, in which one person (a teacher, for example) plays a model performance and the other person watches and practices while sitting at the first person's side.

1 To start this instrument in the Duo mode, simultaneously hold down the [L] button and press the [⏻] (Standby/On) switch to turn on the power.

"DuoMode" is shown in the display for a few seconds, and the F♯3 key becomes the Split Point and the keyboard is divided into two sections: one for the left Voice and one for the right Voice.



NOTE

- *The right Voice section and the left Voice section of the keyboard are both set to the same Voice (except for Voice numbers 309 to 323).*
- *In the Duo mode, the Split Point cannot be changed from F♯3.*

2 One person should play the left Voice section of the keyboard while the other plays the right Voice section.

Selecting a Voice

Select a Voice by executing Steps 1 and 2 in "Selecting a Voice" on page 16

NOTE

- *The Lesson function cannot be used in the Duo mode.*

How sounds are output in the Duo mode

Notes played in the left Voice section sound from the left side speaker while notes played in the right Voice section sound from the right side speaker, in the initial Duo mode setting. This output setting can be changed from the "VoiceOut" setting (Function 015; page 31).

NOTE

- *In the Duo mode, the pan, volume and tonal characteristics of the strereo sound may differ from those in the normal mode, due to the setting of VoiceOut = "Separate" (page 31). Particularly with Drum Kits, the difference may be more obvious, since each key of a Drum Kit features a different stereo pan position.*

Using sustain in the Duo mode

Sustain can be applied to the left and right Voice sections in Duo mode just as it normally is by using one of the following methods in the Duo mode like the usual mode.

- Press the foot switch (page 13) connected to the [SUSTAIN] jack.
- Set "Sustain" (Function 012; page 31) to on.

NOTE

- *Sustain cannot be applied independently to the left Voice section and the right Voice section.*
- *While Panel Sustain is on, the setting of hold is maintained even when the power is turned off.*

Style Playback in the Duo mode

Although full Style features (accompaniment) cannot be used in the Duo mode, the rhythm part of a Style can be played back while playing the left/right Voices normally.

Phrase recording in the Duo mode

The right Voice section and the left Voice section are recorded on the same track.

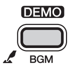
3 To exit from the Duo mode, press the [⏻] (Standby/On) switch to turn off the power, and turn the power back on again normally.

Playing Songs

You can simply enjoy listening to the internal Songs, or use them with just about any of the functions, such as Lesson.

Listening to a Demo Song

Press the [DEMO] button to play the Demo Songs in sequence.



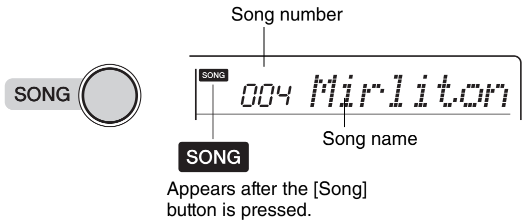
When Song numbers 001 to 003 are played back in sequence and the last Song (003) is finished, playback will repeat continuously, starting again from the first Song (001).
To stop playback, press the [DEMO] button.

NOTE

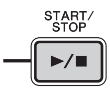
- *You can select a song by using the [+] button after pressing the [DEMO] button. The [-] button can be used to go back to the beginning of the selected Song.*

Selecting and Playing Back a Song

1 **Press the [SONG] button, then use the Number buttons to select the desired Song.**
Refer to the Song List (page 39).



2 **Press the [START/STOP] button to start playback.**
To stop playback, press the [START/STOP] button again.



To change the tempo:
Refer to "Changing the Tempo" on page 19.

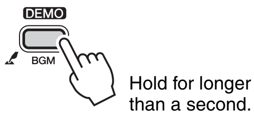
Adjusting the Song Volume

To adjust the volume balance between Song playback and keyboard, you can adjust the Song Volume. This can be set via Function number 002 (page 30).

BGM Playback

With the default setting, pressing the [DEMO] button will play back only three internal Demo Songs repeatedly. This setting can be changed so that, for example, all internal Songs automatically play back, letting you use the instrument as a background music source.

1 **Hold down the [DEMO] button for longer than a second.**
"DemoGrp" (Function 019; page 31) is shown in the display for a few seconds, followed by the current repeat playback target.



2 **Use the [+] or [-] button to select a playback group.**

Demo	Preset Songs (001–003)
Preset	All preset Songs (001–090)
User	User Song (103)

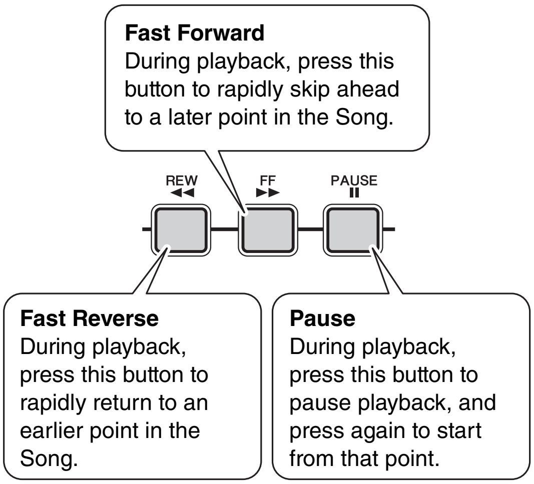
3 **Press the [DEMO] button to start playback.**
To stop playback, press the [DEMO] button again or press the [START/STOP] button.

Random Song Playback

When the Demo Group (above) is set to something other than "Demo," the playback order via the [DEMO] button can be changed between numerical order and random order. To do this, press the [FUNCTION] button several times until "PlayMode" (Function 020; page 31) is called up, then select "Normal" or "Random."

Song Fast Forward, Fast Reverse, and Pause

Like the transport controls on an audio player, this instrument lets you fast forward (FF), rewind (REW) and pause (PAUSE) playback of the Song.



NOTE

- *When the A-B repeat is specified, the Fast Reverse and Fast Forward will only work within the range between A and B.*
- *[REW], [FF] and [PAUSE] button cannot be used during Song playback by using the [DEMO] button.*

Changing the Melody Voice

You can change a Song's melody Voice to any other desired Voice.

1 **Select a Song.**

2 **Select the desired Voice.**

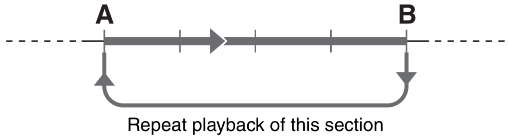
3 **Press and hold the [VOICE] button for longer than a second.**
"SONG MELODY VOICE" appears in the display for a few seconds, and the selected Voice replaces the Song's original melody Voice.

NOTE

- *Selecting another Song will cancel the changed Melody Voice.*
- *You cannot change the melody Voice of a User Song.*

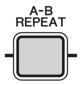
A-B Repeat

You can play back only a specific section of a Song repeatedly by setting the A point (start point) and B point (end point) in one-measure increments.



1 **Start playback of the Song (page 23).**

2 **When playback reaches to the point you want to specify as the start point, press the [A-B REPEAT] button to set the A point.**



3 **When playback reaches to the point you want to specify as the end point, press the [A-B REPEAT] button again to set the B point.**
The specified A-B section of the song will now play repeatedly.

NOTE

- *You can also set the A-B Repeat function when the Song is stopped. Simply use the [REW] and [FF] buttons to select the desired measures, pressing the [A-B REPEAT] button for each point, then start playback.*
- *If you want to set the start point "A" at the top of the Song, press the [A-B REPEAT] button before starting playback.*

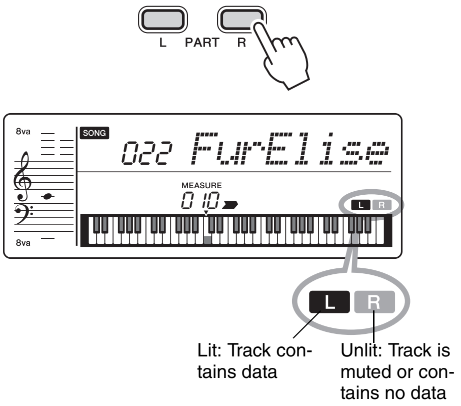
4 **To cancel repeat playback, press the [A-B REPEAT] button.**
To stop playback, press the [START/STOP] button.

NOTE

- *The A-B Repeat function will be canceled when you select another Song mode.*

Turning Each Part On/Off

As indicated above the panel buttons (shown below), a Song consists of two Parts, which can be turned on or off individually by pressing the corresponding button, L or R.



By turning the left- and right-hand parts on or off during playback, you can listen to the Part (that is turned on), or practice the other part (that is turned off) on the keyboard.

NOTE
- *Selecting another Song will cancel the on/off status of the Parts.*

Hearing and Experiencing the Sound of the Chords (Chord Study)

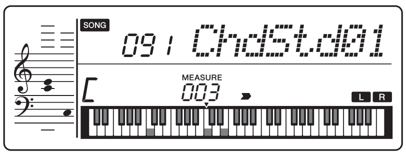
You can hear and experience the sound of the chords used in a typical performance by playing back Song numbers 091 to 102 (in the "Chord Study" category). Song numbers 091 to 097 are very simple songs consisting of a single chord (C, Dm, Em, F, G, Am, Bm; respectively) played in various positions, letting you listen to and master the chords one by one. On the other hand, Song numbers 098 to 102 consist of several chords strung together in a pattern, for experiencing and understanding basic chord progressions. Hear and experience the sound of simple chords and progressions by playing back these Songs, and play the keyboard while following along with the music notation and key/chord indications shown in the display.

Hear and experience a sound of a single chord

1 **Select a Song from Song numbers 091 to 097 in the "CHORD STUDY" category by executing Step 1 in "Selecting and Playing Back a Song" on page 23**

2 **Press the [START/STOP] button to play back the selected Song.**

3 **Play the keyboard while looking at the notes shown on the display.**



NOTICE

- ***When playing the keyboard while playing back a Song, you should turn off any parts you don't intend to have played back (page 25), to avoid exceeding the maximum number of simultaneous notes.***

NOTE

- *You can use the waiting function (page 27) by pressing the [3 WAITING] button.*

Hear and experience basic chord progressions

1 **Select a Song from Song numbers 098 to 102 by pressing the [+]/[-] buttons.**

2 **Press the [START/STOP] button to play back the selected Song.**

3 **Play the keyboard while looking at the notes shown on the display.**
Listen to the basic chord progression, and play along with the Song repeatedly until you can smoothly perform and play along with the chord changes.

NOTE

- *You can use the waiting function (page 27) by pressing the [3 WAITING] button.*

Using the Song Lesson Feature

You can use the selected Song for a left-hand, right-hand, or both-hands lesson. Try practicing with three Song Lesson types while referring to the music scores in the Song Book (page 5).

Listening, Timing and Waiting

●Lesson 1—Listen & Learn

In this Lesson, you need not play the keyboard. The model melody/chords of the part you selected will sound. Listen to it carefully and remember it well.

●Lesson 2—Timing

In this Lesson, simply concentrate on playing the notes with the correct timing. Even if you play wrong notes, the correct notes shown in the display will sound.

●Lesson 3—Waiting

In this Lesson, try playing the correct notes shown on the display. The Song pauses until you play the right note, and playback tempo will change to match the speed at which you are playing at.

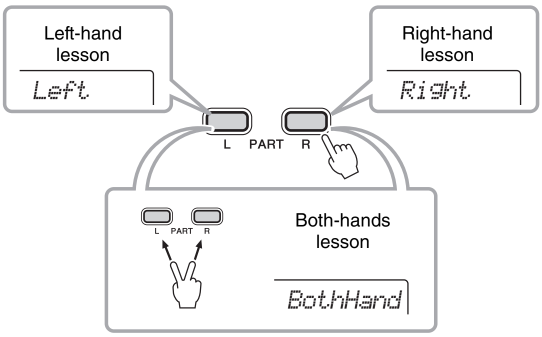
NOTE

- *If you want to keep a steady playback tempo maintained during Lesson 3: Waiting, set the Your Tempo parameter to OFF via the Function number 018 (page 31).*

Practicing with Song Lesson

1 **Press the [SONG] button then select a Song for your lesson.**

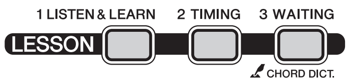
2 **Press either or both the [R] and [L] buttons to select the part you want to practice.**



NOTE

- *In this step, "No LPart" may appear, indicating that the current Song does not contain a left-hand part.*

3 **Press any one of the [1 LISTEN & LEARN], [2 TIMING] or [3 WAITING] buttons to start playback of the Song Lesson.**



NOTE

- *During playback, you can change the Lesson mode by pressing this button, and you can stop the Lesson at any time by pressing the [START/STOP] button.*
- *The Voice changes to "000" (One Touch Setting; page 16) during the lesson.*

4 **When Lesson playback reaches to the end, check your evaluation Grade on the display.**

"2 Timing" and "3 Waiting" will evaluate your performance in four levels.



After the evaluation display has appeared, the lesson will start again from the beginning.

NOTE

- *When the melody Voice of the Song is changed, the key position shown in the display may be shifted (in octave units), depending on the selected Voice.*

5 **Stop the Lesson mode.**

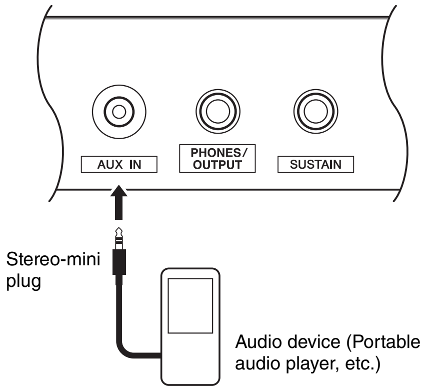
You can stop the Lesson mode at any time by pressing the [START/STOP] button.

Playing an External Audio Device with the Built-in Speakers

You can output the sound of an external audio device, such as a portable music player, with the built-in speakers of this instrument by connecting it via a cable. This lets you play the keyboard along with playback of your music player.

1. **Turn off the power for both the external audio device and this instrument.**

2. **Connect the audio device to the instrument's [AUX IN] jack.**
Use the cable which has the stereo-mini plug at one side for connecting to this instrument and the plug matching the output jack of the external audio device at the other side.



3. **Turn on the external audio device, then this instrument.**

4. **Play back the connected external audio device.**
The sound of the audio device is output through the speakers of this instrument.

5. **Adjust the volume balance between the external audio device and this instrument.**
If possible, adjust the playback level of the external audio device first, to achieve optimum balance.

6. **Play the keyboard along with the sound of the audio device.**

7. **After finishing the performance, stop playback of the audio device.**

⚠ CAUTION

- ***Before connecting, turn off the power of both this instrument and the external audio device. Also, before turning the power on or off, make sure to set all volume levels to minimum (0). Otherwise, damage to the devices, electrical shock, or even permanent hearing loss may occur.***

NOTICE

- ***After connecting, first turn on the power to the external audio device then to this instrument. Reverse this order when you turn the power off.***

Recording Your Performance (Phrase Recording)

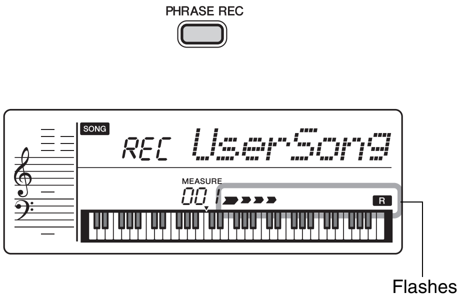
You can record your performance as a User Song (Song number 103), which can then be played back on the instrument.

NOTE

- *A total of approximately 300 notes can be recorded to the User Song.*

1 Select the desired Voice.

2 Press the [PHRASE REC] button to enable the Record mode.



To exit from the Record mode, press the [PHRASE REC] button again. (The display stops flashing.)

NOTICE

- ***If the User Song is recorded, the data will be recorded over and erased (you will record over and erase previous data in "User Song").***

3 Play the keyboard to start recording.

NOTICE

- ***Never attempt to turn the power off or connect or disconnect the AC adaptor. Doing so can result in a loss of data.***

NOTE

- *When recording capacity becomes full during recording, a "Mem Full" message appears on the display, recording is stopped, and the Song select display is shown.*
- *If you press the [START/STOP] button, even if you don't play the keyboard, recording starts.*

Limitations while recording:

- The following settings/operations cannot be recorded: Reverb Level, Style, metronome click, Transpose, Tuning.
- The following settings and buttons are not available, or if operated, the new settings cannot be recorded:
  Split Point, Reverb Type, Chorus Type, [FUNCTION] button, [PORTABLE GRAND] button.

4 Press the [START/STOP] button to stop recording.

5 To play back the recorded Song, press the [START/STOP] button.

NOTE

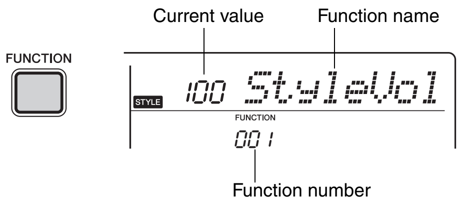
- *If you make a mistake or want to erase an existing Song, you can delete the User Song. To do this, enable the Record mode in step 2, and then press the [START/STOP] button twice in succession (without playing the keyboard).*

The Functions

The Functions settings provide access to a range of detailed instrument parameters such as Tuning, Split Point, Voices and Effects.

1 **Press the [FUNCTION] button several times until the desired item appears.**

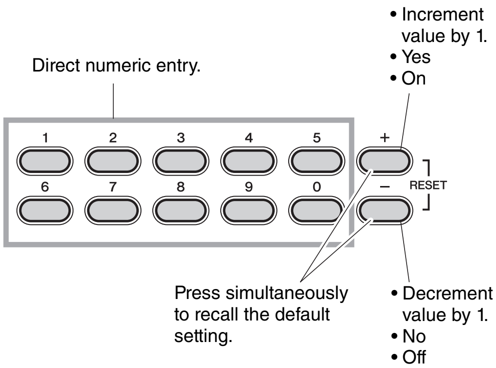
Each time the [FUNCTION] button is pressed, the Function number increases one by one. To decrease the Function number by one, simultaneously hold down the [FUNCTION] button and press the [-] button briefly. To increase the Function number by one, simultaneously hold down the [FUNCTION] button and press the [+] button briefly. Simply pressing only the [+] or [-] button does not change the Function number.



After a few seconds, the Function name may be replaced with the setting value depending on the selected Function.

NOTE
- *The Function number does not appear in the display during Song, Style or metronome playback. The beat value appears instead.*

2 **Set the value by using the number buttons [0]–[9], [+], [-].**



NOTE
- *To exit the Function settings, press one of these buttons; [SONG], [VOICE] or [STYLE].*

Function List

Function Number	Function name	Display	Range/Settings	Default Value	Descriptions
Volume					
001	Style Volume	StyleVol	000–127	100	Determines the volume of the Style. (page 18)
002	Song Volume	SongVol	000–127	100	Determines the volume of the Song. (page 23)
Overall					
003	Transpose	Transpos	-12–12	0	Determines the pitch of the instrument in semitone increments.
004	Tuning	Tuning	427.0Hz–453.0Hz	440.0Hz	Determines the fine tuning of the pitch of the entire instrument in approx. 0.2Hz increments.
005	Split Point	SplitPnt	036–096 (C1–C6)	54 (F#2)	Determines the Split "point"—in other words, the key that separates the auto accompaniment range and Voice.
Voice (page 16)					
006	Volume	M.Volume	000–127	*	Adjusts the volume of keyboard performance when performing along with a Song or a Style.
007	Octave	M.Octave	-2 – +2	*	Determines the octave range for the Voice.
008	Chorus Depth	M.Chorus	000–127	*	Determines how much of the Voice's signal is sent to the Chorus effect.

Function Number	Function name	Display	Range/Settings	Default Value	Descriptions
Effects					
009	Reverb Type	Reverb	1–3 (Hall 1–3) 4–5 (Room 1–2) 6–7 (Stage 1–2) 8–9 (Plate 1–2) 10 (Off)	**	Determines the Reverb type, including off (10). (page 41)
010	Reverb Level	RevLevel	000–127	64	Determines how much of the Voice's signal is sent to the Reverb effect.
011	Chorus Type	Chorus	1 (Chorus1) 2 (Chorus2) 3 (Chorus3) 4 (Flanger1) 5 (Flanger2) 6 (off)	**	Determines the Chorus type, including off (6). (page 41)
012	Panel Sustain	Sustain	ON/OFF	OFF	Determines whether the Panel Sustain function is on or off.
013	Master EQ Type	MasterEQ	1 (Speaker) 2 (Headphone) 3 (Boost) 4 (Piano) 5 (Bright) 6 (Mild)	1 (Speaker)	Sets the equalizer applied to the speaker output for optimum sound in different listening situations. (page 14)
014	Wide Type	Wide	1 (Wide1) 2 (Wide2) 3 (Wide3)	2 (Wide2)	Determines the Ultra-Wide Stereo type. Higher values produce a greater Wide effect. (page 17)
015	Voice Output	VoiceOut	1 (Normal) 2 (Separate)	2 (Separate)	When the Duo mode (page 22) is on, this function is effective. If "Normal" is selected, the performance sounds of the left Voice and the right Voice will sound from both the left and right speakers. If "Separate" is selected, the performance sound of the left Voice will sound from the left speaker, and the performance sound of the right Voice will sound from the right speaker.
Metronome (page 17)					
016	Time Signature Numerator	TimeSig	00–15	**	Determines the time signature of the Metronome.
017	Metronome Volume	MetroVol	000–127	100	Determines the volume of the Metronome.
Lesson (page 27)					
018	Your Tempo	YourTemp	ON/OFF	ON	This parameter is for the Lesson 3 "Waiting." When set to ON, playback tempo will change for matching the speed you are playing at. When set to OFF, playback tempo will be maintained regardless of the speed you are playing at.
Demo (page 23)					
019	Demo Group	DemoGrp	1 (Demo) 2 (Preset) 3 (User)	1 (Demo)	Determines the repeat playback group.
020	Demo Play Mode	PlayMode	1 (Normal) 2 (Random)	1 (Normal)	Determines the repeat playback mode.
021	Demo Cancel	D-Cancel	ON/OFF	OFF	Determines whether Demo cancel is enabled or not. When this is set to ON, the Demo Song will not play, even if the [DEMO] button is pressed.
Auto Power Off (page 14)					
022	Auto Power Off Time	AutoOff	OFF, 5/10/15/30/60/120 (minutes)	30 minutes	Specifies the time that will elapse before the instrument's power is automatically turned off.
Battery (page 13)					
023	Battery Type	Battery	1 (Alkaline) 2 (Ni-MH)	1 (Alkaline)	Selects the type of batteries you have installed to this instrument. Alkaline: Alkaline battery/manganese battery Ni-MH: Rechargeable battery

* The appropriate value is automatically set for each Voice combination.
** The appropriate value is automatically set for each Song or Style.

Backup and Initialization

Backup Parameters

The following Backup parameters will be maintained even if the power is turned off.

Backup parameters
- User Songs (page 29)
- FUNCTION Settings: (page 30)
  Tuning, Your Tempo, Master EQ type, Panel Sustain, Auto Power Off, Battery Type

To initialize Backup data, execute "Backup Clear."

NOTICE

Note that the following situations cannot back up or maintain the settings of the Backup parameters.
- ***When the AC adaptor is unplugged with the power on (even if batteries are installed):***
- ***When the power is turned off due to accidents such as electric power failure:***
- ***When the Alkaline battery/Manganese battery runs down (without connecting the AC adaptor):***

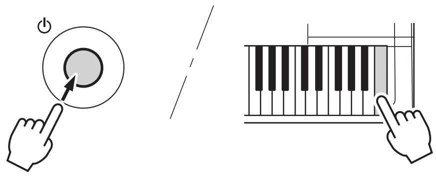
Initialization

You can initialize your original data via the following method.

Backup Clear

This operation initializes the backup parameters.

While holding down the highest white key, press the [⏻] (Standby/On) switch to turn the power on.



Troubleshooting

Problem	Possible Cause and Solution
When the instrument is turned on or off, a popping sound is temporarily produced.	This is normal and indicates that the instrument is receiving electrical power.
When using a mobile phone, noise is produced.	Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.
Noise is heard from the instrument's speakers or headphones when using the instrument with the application on iPhone/iPad/iPod touch.	When you use the instrument along with the application on your iPhone/iPad/iPod touch, we recommend that you set "Airplane Mode" to "ON" on your iPhone/iPad/iPod touch in order to avoid noise caused by communication.
There is no sound even when the keyboard is played or when a song or style is being played back.	Check that nothing is connected to the [PHONES/OUTPUT] jack on the rear panel. When a set of headphones is plugged into this jack, no sound is output.
Playing keys in the right hand area of the keyboard does not produce any sound.	When using the Dictionary function (page 21), the keys in the right hand area are used only for entering the chord root and type.
Not all of the voices seem to sound, or the sound seems to be cut off.	The instrument is polyphonic up to a maximum of 32 notes. If a style or Song is playing back at the same time, some notes/sounds may be omitted (or "stolen") from the accompaniment or Song.
The ACMP ON indicator does not appear when the [ACMP ON/OFF] button is pressed.	• Always press the [STYLE] button first when you are going to use any Style-related function. • The ACMP ON indicator does not appear when the Duo mode is on.
The Style does not sound properly.	Make sure that the Style Volume (page 30 Function 001) is set to an appropriate level.
	Is the Split Point set to an appropriate key for the chords you are playing? Set the Split Point to an appropriate key (page 30 Function 005). Is the "ACMP ON" indicator showing in the display? If it is not showing, press the [ACMP ON/OFF] button so that it does show.
The Style does not sound as you play a chord.	• The auto accompaniment will sometimes not change when related chords are played in sequence (e.g., some minor chords followed by the minor seventh). • Two-note fingerings will produce a chord based on the previously played chord. • Playing two same root keys in the adjacent octaves produces accompaniment based only on the root.
The footswitch (for sustain) seems to produce the opposite effect. For example, pressing the footswitch cuts off the sound and releasing it sustains the sounds.	The polarity of the footswitch is reversed. Make sure that the footswitch plug is properly connected to the [SUSTAIN] jack before turning on the power.
The sound of the voice changes from note to note.	This is normal. The AWM tone generation method uses multiple recordings (samples) of an instrument across the range of the keyboard; thus, the actual sound of the voice may be slightly different from note to note.
• The volume is too soft. • The sound quality is poor. • The rhythm stops unexpectedly or will not play. • The recorded data of the song, etc. does not play correctly. • The LCD display suddenly goes dark, and all panel settings are reset.	The batteries are low or dead. Replace all six batteries with completely new ones, or use the included AC adaptor.
Power suddenly and unexpectedly turns off.	This is normal and the Auto Power Off function may have been activated (page 14). If you need to disable the Auto Power Off function, select "Off" in the Function settings (Function 022; page 31).
When the instrument is turned on, power is turned off suddenly and unexpectedly.	This is normal. If an AC adaptor other than the one specified is used, power may be turned off suddenly and unexpectedly.

Voice List

Maximum Polyphony

The instrument has 32-note maximum polyphony. This means that it can play a maximum of up to 32 notes at once, regardless of what functions are used. Auto accompaniment uses a number of the available notes, so when auto accompaniment is used the total number of available notes for playing on the keyboard is correspondingly reduced. The same applies to the Split Voice and Song functions. If the maximum polyphony is exceeded, earlier played notes will be cut off and the most recent notes have priority (last note priority).

NOTE
- *Some voices may sound continuously or have a long decay after the notes have been released while the sustain pedal (footswitch) is held.*

Panel Voice List

Voice No.	Voice Name
	PIANO
1	Grand Piano
2	Mono Grand Piano
3	Bright Piano
4	Mellow Piano
5	Honky-tonk Piano
6	Piano Strings
7	Dream
8	Harpsichord 1
9	Harpsichord 2
	E.PIANO
10	Electric Piano 1
11	Electric Piano 2
12	Electric Piano 3
13	Electric Grand Piano
14	Chorus Electric Piano 1
15	Chorus Electric Piano 2
16	Detuned Electric Piano
17	DX + Analog Electric Piano
18	Clavi
19	Wah Clavi
	ORGAN
20	Drawbar Organ 1
21	Drawbar Organ 2
22	60s Drawbar Organ 1
23	60s Drawbar Organ 2
24	60s Drawbar Organ 3
25	70s Drawbar Organ 1
26	70s Drawbar Organ 2
27	Detuned Drawbar Organ
28	Percussive Organ 1
29	Percussive Organ 2
30	70s Percussive Organ
31	Detuned Percussive Organ
32	16+2'2/3 Organ
33	Organ Bass
34	Rock Organ
35	Rotary Organ
36	Slow Rotary Organ
37	Fast Rotary Organ
38	Pipe Organ 1
39	Pipe Organ 2
40	Pipe Organ 3
41	Organ Flute
42	Tremolo Organ Flute
43	Notre Dame
44	Cheezy Organ
45	Light Organ
46	Reed Organ
47	Puff Organ
	ACCORDION
48	Accordion
49	Tango Accordion 1
50	Tango Accordion 2
51	Harmonica 1
52	Harmonica 2
	GUITAR
53	Nylon Guitar
54	Steel Guitar
55	Nylon & Steel Guitar
56	Steel Guitar with Body Sound

Voice No.	Voice Name
57	Muted Steel Guitar
58	12-string Guitar
59	Jazz Guitar
60	Jazz Amp
61	Jazz Man
62	Clean Guitar
63	Chorus Guitar
64	Funk Guitar
65	Guitar Pinch
66	Muted Guitar
67	Overdriven Guitar
68	Distortion Guitar
69	Feedback Guitar 1
70	Feedback Guitar 2
71	Guitar Feedback
72	Guitar Harmonics 1
73	Guitar Harmonics 2
74	Guitar Harmonics 3
	BASS
75	Acoustic Bass 1
76	Acoustic Bass 2
77	Finger Bass 1
78	Finger Bass 2
79	Finger Dark
80	Finger Slap Bass
81	Pick Bass
82	Fretless Bass 1
83	Fretless Bass 2
84	Fretless Bass 3
85	Fretless Bass 4
86	Slap Bass 1
87	Slap Bass 2
88	Slap Bass 3
89	Jazz Rhythm
90	Bass & Distorted Electric Guitar
91	Muted Pick Bass
92	Modulated Bass
93	Punch Thumb Bass
94	Synth Bass 1
95	Synth Bass 2
96	Synth Bass 2 Dark
97	Techno Synth Bass
98	Mellow Synth Bass
99	Sequenced Bass
100	Click Synth Bass
101	Modular Synth Bass
102	DX Bass
	STRINGS
103	Strings 1
104	Strings 2
105	Strings 3
106	Slow Strings
107	Stereo Strings
108	Stereo Slow Strings
109	Orchestra 1
110	Orchestra 2
111	60s Strings
112	Suspense Strings
113	Legato Strings
114	Warm Strings
115	Kingdom

Voice No.	Voice Name
116	Tremolo Strings
117	Slow Tremolo Strings
118	Tremolo Orchestra
119	Pizzicato Strings
120	Violin
121	Slow Violin
122	Viola
123	Cello
124	Contrabass
125	Orchestral Harp
126	Synth Strings 1
127	Synth Strings 2
128	Orchestra Hit 1
129	Orchestra Hit 2
130	Impact
	CHOIR
131	Choir Aahs
132	Voice Oohs
133	Stereo Choir
134	Mellow Choir
135	Choir Strings
136	Synth Voice 1
137	Synth Voice 2
138	Choral
139	Analog Voice
	SAXOPHONE
140	Tenor Sax
141	Breathy Tenor Sax
142	Alto Sax
143	Soprano Sax
144	Baritone Sax
145	Sax Section
146	Clarinet
147	Oboe
148	English Horn
149	Bassoon
	TRUMPET
150	Trumpet
151	Warm Trumpet
152	Muted Trumpet
153	Trombone 1
154	Trombone 2
155	Trumpet & Trombone Section
156	French Horn 1
157	French Horn 2
158	French Horn Solo
159	Horn Orchestra
160	Tuba
	BRASS
161	Brass Section
162	Synth Brass 1
163	Synth Brass 2
164	Soft Brass
165	Resonant Synth Brass
166	Choir Brass
	FLUTE
167	Flute
168	Piccolo
169	Pan Flute
170	Recorder
171	Blown Bottle

Voice No.	Voice Name
172	Shakuhachi
173	Whistle
174	Ocarina
	SYNTH LEAD
175	Square Lead 1
176	Square Lead 2
177	LM Square
178	Sawtooth Lead 1
179	Sawtooth Lead 2
180	Thick Sawtooth
181	Dynamic Sawtooth
182	Digital Sawtooth
183	Sine Lead
184	Solo Sine
185	Calliope Lead
186	Chiff Lead
187	Charang Lead
188	Voice Lead
189	Fifths Lead
190	Bass & Lead
191	Hollow
192	Shroud
193	Mellow
194	Big Lead
195	Sequenced Analog
196	Pure Lead
197	Distorted Lead
198	Big Five
199	Big & Low
200	Fat & Perky
	SYNTH PAD & EFFECT
201	New Age Pad
202	Fantasy
203	Warm Pad
204	Poly Synth Pad
205	Choir Pad
206	Bowed Pad
207	Metallic Pad
208	Halo Pad
209	Sweep Pad
210	Soft Whirl
211	Itopia
212	Rain
213	Sound Track
214	Crystal
215	Atmosphere
216	Brightness
217	Goblins
218	Echoes
219	Sci-Fi
220	African Wind
221	Carib
222	Prologue
223	Synth Drum Comp
224	Popcorn
225	Tiny Bells
226	Round Glockenspiel
227	Glockenspiel Chimes
228	Clear Bells
229	Chorus Bells
230	Soft Crystal
231	Air Bells
232	Warm Atmosphere
233	Hollow Release
234	Nylon Electric Piano
235	Nylon Harp
236	Harp Vox
237	Atmosphere Pad
238	Goblins Synth
239	Creeper
240	Ritual
241	To Heaven
242	Night
243	Glisten
244	Bell Choir
245	Bell Harp

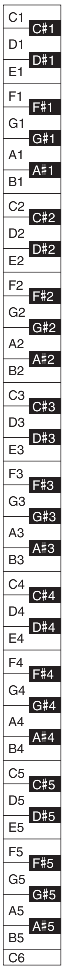
Voice No.	Voice Name
	PERCUSSION
246	Vibraphone
247	Soft Vibraphone
248	Marimba
249	Soft Marimba
250	Sine Marimba
251	Balimba
252	Log Drums
253	Xylophone
254	Steel Drums
255	Celesta
256	MusicBox 1
257	MusicBox 2
258	Church Bells
259	Carillon
260	Tubular Bells
261	Timpani
262	Glockenspiel
263	Tinkle Bell
264	Agogo
265	Woodblock
266	Castanets
267	Melodic Tom 1
268	Melodic Tom 2
269	Real Tom
270	Rock Tom
271	Electronic Percussion
272	Analog Tom
273	Synth Drum
274	Taiko Drum
275	Gran Cassa
276	Gamelimba
277	Glass Percussion
278	Reverse Cymbal
	WORLD
279	Banjo
280	Muted Banjo
281	Fiddle
282	Bagpipe
283	Dulcimer 1
284	Dulcimer 2
285	Cimbalom
286	Santur
287	Kanoon
288	Oud
289	Rabab
290	Kalimba
291	Sitar 1
292	Sitar 2
293	Detuned Sitar
294	Tamboura
295	Shehnai
296	Gopichant
297	Shamisen
298	Koto
299	Taisho-kin
300	Yang Qin
301	Mandolin
302	Ukulele
303	Bonang
304	Altair
305	Gamelan Gongs
306	Stereo Gamelan Gongs
307	Rama Cymbal
308	Thai Bells
	DUAL*
309	Octave Piano
310	Piano & Pizzicato Strings
311	Piano & Flute
312	Piano Pad
313	Octave Honky-tonk Piano
314	Harpsichord & Strings
315	Electric Piano Pad 1
316	Electric Piano Pad 2
317	Electric Piano Pad 3
318	Octave Strings

Voice No.	Voice Name
319	Octave Brass
320	Orchestra Tutti
321	Octave Choir
322	Jazz Section
323	Flute & Clarinet
	SOUND EFFECTS
324	Fret Noise
325	Breath Noise
326	Cutting Noise 1
327	Cutting Noise 2
328	String Slap
329	Flute Key Click
330	Bird Tweet 1
331	Bird Tweet 2
332	Telephone Ring 1
333	Telephone Ring 2
334	Phone Call
335	Shower
336	Thunder
337	Wind
338	Stream
339	Seashore
340	Bubble
341	Feed
342	Dog
343	Horse
344	Maou
345	Door Squeak
346	Door Slam
347	Scratch Cut
348	Scratch Split
349	Wind Chime
350	Car Engine Ignition
351	Car Tires Squeal
352	Car Passing
353	Car Crash
354	Siren
355	Train
356	Helicopter
357	Jet Plane
358	Starship
359	Burst
360	Roller Coaster
361	Submarine
362	Laugh
363	Scream
364	Punch
365	Heartbeat
366	Footsteps
367	Applause
368	Gunshot
369	Machine Gun
370	Laser Gun
371	Explosion
372	Firework
	DRUM KITS
373	Standard Kit 1
374	Standard Kit 2
375	Room Kit
376	Rock Kit
377	Electronic Kit
378	Analog Kit
379	Dance Kit
380	Jazz Kit
381	Brush Kit
382	Symphony Kit
383	SFX Kit 1
384	SFX Kit 2
385	Sound Effect Kit

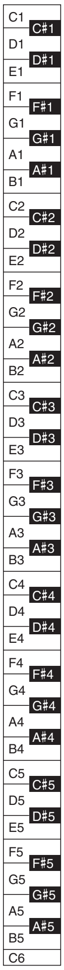
* When you select a Voice of the DUAL category, two voices sound at the same time.

Drum Kit List

- “   ” indicates that the drum sound is the same as “Standard Kit 1”.
- Each percussion voice uses one note.

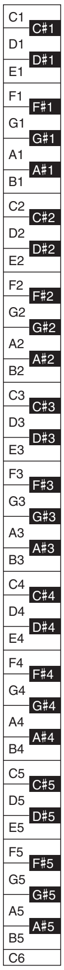


Voice No.		373	374	375	376	377	378
Keyboard		Standard Kit 1	Standard Kit 2	Room Kit	Rock Kit	Electronic Kit	Analog Kit
Note#	Note						
25	C# 0	Surdo Mute					
26	D 0	Surdo Open					
27	D# 0	Hi Q					
28	E 0	Whip Slap					
29	F 0	Scratch Push					
30	F# 0	Scratch Pull					
31	G 0	Finger Snap					
32	G# 0	Click Noise					
33	A 0	Metronome Click					
34	A# 0	Metronome Bell					
35	B 0	Seq Click L					
36	C 1	Seq Click H					
37	C# 1	Brush Tap					
38	D 1	Brush Swirl					
39	D# 1	Brush Slap					
40	E 1	Brush Tap Swirl				Reverse Cymbal	Reverse Cymbal
41	F 1	Snare Roll					
42	F# 1	Castanet				Hi Q 2	Hi Q 2
43	G 1	Snare Soft	Snare Soft 2		Snare Rock H	Snare L	Snare Rock H
44	G# 1	Sticks					
45	A 1	Bass Drum Soft				Bass Drum H	Bass Drum H
46	A# 1	Open Rim Shot	Open Rim Shot 2				
47	B 1	Bass Drum Hard			Bass Drum H	Bass Drum Rock	Bass Drum Analog L
48	C 2	Bass Drum	Bass Drum 2		Bass Drum Rock	Bass Drum Gate	Bass Drum Analog H
49	C# 2	Side Stick					Analog Side Stick
50	D 2	Snare	Snare 2	Snare Room L	Snare Rock L	Snare Rock L	Analog Snare 1
51	D# 2	Hand Clap					
52	E 2	Snare Tight	Snare Tight 2	Snare Room H	Snare Rock Rim	Snare Rock H	Analog Snare 2
53	F 2	Floor Tom L		Room Tom 1	Rock Tom 1	Electronic Tom 1	Analog Tom 1
54	F# 2	Hi-Hat Closed					Analog Hi-Hat Closed 1
55	G 2	Floor Tom H		Room Tom 2	Rock Tom 2	Electronic Tom 2	Analog Tom 2
56	G# 2	Hi-Hat Pedal					Analog Hi-Hat Closed 2
57	A 2	Low Tom		Room Tom 3	Rock Tom 3	Electronic Tom 3	Analog Tom 3
58	A# 2	Hi-Hat Open					Analog Hi-Hat Open
59	B 2	Mid Tom L		Room Tom 4	Rock Tom 4	Electronic Tom 4	Analog Tom 4
60	C 3	Mid Tom H		Room Tom 5	Rock Tom 5	Electronic Tom 5	Analog Tom 5
61	C# 3	Crash Cymbal 1					Analog Cymbal
62	D 3	High Tom		Room Tom 6	Rock Tom 6	Electronic Tom 6	Analog Tom 6
63	D# 3	Ride Cymbal 1					
64	E 3	Chinese Cymbal					
65	F 3	Ride Cymbal Cup					
66	F# 3	Tambourine					
67	G 3	Splash Cymbal					
68	G# 3	Cowbell					Analog Cowbell
69	A 3	Crash Cymbal 2					
70	A# 3	Vibraslap					
71	B 3	Ride Cymbal 2					
72	C 4	Bongo H					
73	C# 4	Bongo L					
74	D 4	Conga H Mute					Analog Conga H
75	D# 4	Conga H Open					Analog Conga M
76	E 4	Conga L					Analog Conga L
77	F 4	Timbale H					
78	F# 4	Timbale L					
79	G 4	Agogo H					
80	G# 4	Agogo L					
81	A 4	Cabasa					
82	A# 4	Maracas					Analog Maracas
83	B 4	Samba Whistle H					
84	C 5	Samba Whistle L					
85	C# 5	Guiro Short					
86	D 5	Guiro Long					
87	D# 5	Claves					Analog Claves
88	E 5	Wood Block H					
89	F 5	Wood Block L					
90	F# 5	Cuica Mute				Scratch Push	Scratch Push
91	G 5	Cuica Open				Scratch Pull	Scratch Pull
92	G# 5	Triangle Mute					
93	A 5	Triangle Open					
94	A# 5	Shaker					
95	B 5	Jingle Bells					
96	C 6	Bell Tree					
97	C# 6						
98	D 6						
99	D# 6						
100	E 6						
101	F 6						
102	F# 6						
103	G 6						



Voice No.		373	379	380	381	382
Keyboard		Standard Kit 1	Dance Kit	Jazz Kit	Brush Kit	Symphony Kit
Note#	Note					
25	C# 0	Surdo Mute				
26	D 0	Surdo Open				
27	D# 0	Hi Q				
28	E 0	Whip Slap				
29	F 0	Scratch Push				
30	F# 0	Scratch Pull				
31	G 0	Finger Snap				
32	G# 0	Click Noise				
33	A 0	Metronome Click				
34	A# 0	Metronome Bell				
35	B 0	Seq Click L				
36	C 1	Seq Click H				
37	C# 1	Brush Tap				
38	D 1	Brush Swirl				
39	D# 1	Brush Slap				
40	E 1	Brush Tap Swirl	Reverse Cymbal			
41	F 1	Snare Roll				
42	F# 1	Castanet	Hi Q 2			
43	G 1	Snare Soft	Analog Snare Snappy	Snare Jazz H Light	Brush Slap L	
44	G# 1	Sticks				
45	A 1	Bass Drum Soft	Analog Bass Drum Dance 1			Bass Drum L
46	A# 1	Open Rim Shot	Analog Snare Open Rim			
47	B 1	Bass Drum Hard	Analog Bass Drum Dance 2			Gran Cassa
48	C 2	Bass Drum	Analog Bass Drum Dance 3	Bass Drum Jazz	Bass Drum Jazz	Gran Cassa Mute
49	C# 2	Side Stick	Analog Side Stick			
50	D 2	Snare	Analog Snare Q	Snare Jazz L	Brush Slap	Marching Snare M
51	D# 2	Hand Clap				
52	E 2	Snare Hard	Analog Snare + Acoustic	Snare Jazz M	Brush Tap	Marching Snare H
53	F 2	Floor Tom L	Analog Tom 1	Jazz Tom 1	Brush Tom 1	Jazz Tom 1
54	F# 2	Hi-Hat Closed	Analog Hi-Hat Closed 3			
55	G 2	Floor Tom H	Analog Tom 2	Jazz Tom 2	Brush Tom 2	Jazz Tom 2
56	G# 2	Hi-Hat Pedal	Analog Hi-Hat Closed 4			
57	A 2	Low Tom	Analog Tom 3	Jazz Tom 3	Brush Tom 3	Jazz Tom 3
58	A# 2	Hi-Hat Open	Analog Hi-Hat Open 2			
59	B 2	Mid Tom L	Analog Tom 4	Jazz Tom 4	Brush Tom 4	Jazz Tom 4
60	C 3	Mid Tom H	Analog Tom 5	Jazz Tom 5	Brush Tom 5	Jazz Tom 5
61	C# 3	Crash Cymbal 1	Analog Cymbal			Hand Cymbal L
62	D 3	High Tom	Analog Tom 6	Jazz Tom 6	Brush Tom 6	Jazz Tom 6
63	D# 3	Ride Cymbal 1				Hand Cymbal Short L
64	E 3	Chinese Cymbal				
65	F 3	Ride Cymbal Cup				
66	F# 3	Tambourine				
67	G 3	Splash Cymbal				
68	G# 3	Cowbell	Analog Cowbell			
69	A 3	Crash Cymbal 2				Hand Cymbal H
70	A# 3	Vibraslap				
71	B 3	Ride Cymbal 2				Hand Cymbal Short H
72	C 4	Bongo H				
73	C# 4	Bongo L				
74	D 4	Conga H Mute	Analog Conga H			
75	D# 4	Conga H Open	Analog Conga M			
76	E 4	Conga L	Analog Conga L			
77	F 4	Timbale H				
78	F# 4	Timbale L				
79	G 4	Agogo H				
80	G# 4	Agogo L				
81	A 4	Cabasa				
82	A# 4	Maracas	Analog Maracas			
83	B 4	Samba Whistle H				
84	C 5	Samba Whistle L				
85	C# 5	Guiro Short				
86	D 5	Guiro Long				
87	D# 5	Claves	Analog Claves			
88	E 5	Wood Block H				
89	F 5	Wood Block L				
90	F# 5	Cuica Mute	Scratch Push			
91	G 5	Cuica Open	Scratch Pull			
92	G# 5	Triangle Mute				
93	A 5	Triangle Open				
94	A# 5	Shaker				
95	B 5	Jingle Bells				
96	C 6	Bell Tree				
97	C# 6					
98	D 6					
99	D# 6					
100	E 6					
101	F 6					
102	F# 6					
103	G 6					

* Actual keyboard notes of the SFX Kit 1 and 2 are one octave lower than the ones described in the list.



Voice No.		383	384	385
Keyboard		SFX Kit 1 *	SFX Kit 2 *	Sound Effect Kit
Note#	Note			
25	C# 0			
26	D 0			
27	D# 0			
28	E 0			
29	F 0			
30	F# 0			
31	G 0			
32	G# 0			
33	A 0			
34	A# 0			
35	B 0			
36	C 1			Drum Loop
37	C# 1			
38	D 1			
39	D# 1			
40	E 1			
41	F 1			
42	F# 1			
43	G 1			
44	G# 1			
45	A 1			
46	A# 1			
47	B 1			
48	C 2	Cutting Noise 1	Phone Call	Heartbeat
49	C# 2	Cutting Noise 2	Door Squeak	Footsteps
50	D 2		Door Slam	Door Squeak
51	D# 2	String Slap	Scratch Cut	Door Slam
52	E 2		Scratch	Applause
53	F 2		Wind Chime	Camera
54	F# 2		Telephone Ring 2	Horn
55	G 2			Hiccup
56	G# 2			Cuckoo Clock
57	A 2			Stream
58	A# 2			Frog
59	B 2			Rooster
60	C 3			Dog
61	C# 3			Cat
62	D 3			Owl
63	D# 3			Horse Gallop
64	E 3	Flute Key Click	Car Engine Ignition	Horse Neigh
65	F 3		Car Tires Squeal	Cow
66	F# 3		Car Passing	Lion
67	G 3		Car Crash	Scratch
68	G# 3		Siren	Yo!
69	A 3		Train	Go!
70	A# 3		Jet Plane	Get up!
71	B 3		Starship	Whoow!
72	C 4		Burst	Huuaah!
73	C# 4		Roller Coaster	
74	D 4		Submarine	
75	D# 4			
76	E 4			
77	F 4			
78	F# 4			
79	G 4			
80	G# 4	Shower	Laugh	
81	A 4	Thunder	Scream	
82	A# 4	Wind	Punch	
83	B 4	Stream	Heartbeat	
84	C 5	Bubble	Footsteps	Uh!+Hit
85	C# 5	Feed		
86	D 5			
87	D# 5			
88	E 5			
89	F 5			
90	F# 5			
91	G 5			
92	G# 5			
93	A 5			
94	A# 5			
95	B 5			
96	C 6	Dog	Machine Gun	
97	C# 6	Horse	Laser Gun	
98	D 6	Bird Tweet 2	Explosion	
99	D# 6		Firework	
100	E 6			
101	F 6			
102	F# 6			
103	G 6	Maou		

Song List

Song No.	Song Name
	TOP PICKS
001	Demo 1 (Yamaha Original)
002	Demo 2 (Yamaha Original)
003	Demo 3 (Yamaha Original)
	ORCHESTRA
004	Danse des Mirlitons from “The Nutcracker” (P.I. Tchaikovsky)
005	“Orphée aux Enfers” Ouverture (J. Offenbach)
006	Slavonic Dances No.10 (A. Dvořák)
007	Méditation (Thaïs) (J. Massenet)
008	Frühlingslied (F. Mendelssohn)
	PIANIST
009	La Candeur (J.F. Burgmüller)
010	Arabesque (J.F. Burgmüller)
011	Pastorale (J.F. Burgmüller)
012	Petite Réunion (J.F. Burgmüller)
013	Innocence (J.F. Burgmüller)
014	Progrès (J.F. Burgmüller)
015	Turkish March (W.A. Mozart)
016	Valse op.64-1 “Petit Chien” (F. Chopin)
017	Menuett (L. Boccherini)
018	Moments Musicaux op.94-3 (F. Schubert)
019	The Entertainer (S. Joplin)
020	Prelude (Wohltemperierte Klavier 1-1) (J.S. Bach)
021	La Viollette (Streabbog)
022	Für Elise (L.v. Beethoven)
	DUET
023	Row Row Row Your Boat (DUET) (Traditional)
024	On Top of Old Smoky (DUET) (Traditional)
025	We Wish You A Merry Christmas (DUET) (Traditional)
026	Scarborough Fair (DUET) (Traditional)
027	Im Mai (DUET) (Traditional)
028	O Christmas Tree (DUET) (Traditional)
029	Mary Had a Little Lamb (DUET) (Traditional)
030	Ten Little Indians (DUET) (Traditional)
031	Pop Goes The Weasel (DUET) (Traditional)
032	Twinkle Twinkle Little Star (DUET) (Traditional)
033	Close Your Hands, Open Your Hands (DUET) (J.J. Rousseau)
034	The Cuckoo (DUET) (Traditional)
035	O du lieber Augustin (DUET) (Traditional)
036	London Bridge (DUET) (Traditional)
	PRACTICE
037	America the Beautiful (S.A. Ward)
038	Londonderry Air (Traditional)
039	Ring de Banjo (S.C. Foster)
040	Wenn ich ein Vöglein wär (Traditional)
041	Die Lorelei (F. Silcher)
042	Turkey in the Straw (Traditional)
043	Jingle Bells (J.S. Pierpont)
044	Muss i denn (F. Silcher)
045	Liebesträume Nr.3 (F. Liszt)
046	Jesu, Joy Of Man’s Desiring (J.S. Bach)
047	Ode to Joy (L.v. Beethoven)
048	Song of the Pearl Fisher (G. Bizet)
049	String Quartet No.17 2nd mov. “Serenade” (F.J. Haydn)
050	Menuett BWV Anh. 115 (C. Petzold (J.S. Bach))
051	Canon (J. Pachelbel)
052	From “The Magic Flute” (W.A Mozart)
053	Piano Sonate op.27-2 “Mondschein” (L.v. Beethoven)
054	“The Surprise”Symphony (F.J. Haydn)
055	To a Wild Rose (E.A. MacDowell)
056	Chanson du Toreador (G. Bizet)
057	O Mio Babbino Caro (G. Puccini)
	FAVORITE WITH STYLE
058	Bill Bailey (Won’t You Please Come Home) (H. Cannon)
059	When Irish Eyes Are Smiling (E.R. Ball)
060	Down by the Riverside (Traditional)
061	When the Saints Go Marching In (Traditional)
062	Frühlingsstimmen (J. Strauss II)
063	Camptown Races (S.C. Foster)
064	Little Brown Jug (Joseph Winner)
065	Loch Lomond (Traditional)
066	Oh! Susanna (S.C. Foster)
067	Greensleeves (Traditional)
068	Aura Lee (Traditional)
069	Silent Night (F. Gruber)
070	The Danube Waves (I. Ivanovici)
071	Twinkle Twinkle Little Star (Traditional)
072	Close Your Hands, Open Your Hands (J.J. Rousseau)
073	The Cuckoo (Traditional)
074	O du lieber Augustin (Traditional)
075	London Bridge (Traditional)
076	American Patrol (F.W. Meacham)
077	Beautiful Dreamer (S.C. Foster)
078	Battle Hymn of the Republic (Traditional)
079	Home Sweet Home (H. Bishop)
080	Valse Des Fleurs (From “The Nutcracker”) (P.I. Tchaikovsky)
081	Aloha Oe (Q. Liliuokalani)
082	I’ve Been Working On The Railroad (Traditional)
083	My Darling Clementine (Traditional)
084	Auld Lang Syne (Traditional)
085	Grandfather’s Clock (H.C. Work)
086	Amazing Grace (Traditional)
087	My Bonnie (H.J Fulmer)
088	Yankee Doodle (Traditional)
089	Joy to the World (G.F. Händel)
090	Ave Maria (F.Schubert)

Song No.	Special Appendix
	CHORD STUDY
091–102	ChdStd01–ChdStd12

- Some songs have been edited for length or for ease in learning, and may not be exactly the same as the original.
- A song book (free downloadable scores) is available that includes scores for all internal songs (excepting Songs 1–3). To obtain the Song Book, complete the user registration at the following website.
  https://member.yamaha.com/myproduct/regist/

Style List

Style No.	Style Name
8Beat	
001	8BeatModern
002	60sGtrPop
003	8BeatAdria
004	60s8Beat
005	8Beat
006	OffBeat
007	60sRock
008	HardRock
009	RockShuffle
010	8BeatRock
16Beat	
011	16Beat
012	PopShuffle
013	GuitarPop
014	16BtUptempo
015	KoolShuffle
016	HipHopLight
Ballad	
017	PianoBallad
018	LoveSong
019	6/8ModernEP
020	6/8SlowRock
021	OrganBallad
022	PopBallad
023	16BeatBallad
Dance	
024	EuroTrance
025	Ibiza
026	SwingHouse
027	Clubdance
028	ClubLatin
029	Garage1
030	Garage2
031	TechnoParty
032	UKPop
033	HipHopGroove
034	HipShuffle
035	HipHopPop
Disco	
036	70sDisco
037	LatinDisco
038	SaturdayNight
039	DiscoHands
Swing&Jazz	
040	BigBandFast
041	BigBandBallad
042	JazzClub
043	Swing1
044	Swing2
045	Five/Four
046	Dixieland
047	Ragtime
R&B	
048	Soul
049	DetroitPop
050	6/8Soul
051	CrocoTwist
052	Rock&Roll
053	ComboBoogie
054	6/8Blues
Country	
055	CountryPop
056	CountrySwing
057	Country2/4
058	Bluegrass
Latin	
059	BrazilianSamba
060	BossaNova
061	Forro
062	Tijuana
063	Mambo
064	Salsa
065	Beguine
066	Reggae
Ballroom	
067	VienneseWaltz
068	EnglishWaltz
069	Slowfox
070	Foxtrot
071	Quickstep
072	Tango
073	Pasodoble
074	Samba
075	ChaChaCha
076	Rumba
077	Jive
Trad&World	
078	USMarch
079	6/8March
080	GermanMarch
081	PolkaPop
082	OberPolka
083	Tarantella
084	Showtune
085	ChristmasSwing
086	ChristmasWaltz
087	ScottishReel
Waltz	
088	SwingWaltz
089	JazzWaltz
090	CountryWaltz
091	OberWalzer
092	Musette
Pianist	
093	Stride
094	PianoSwing
095	Arpeggio
096	Habanera
097	SlowRock
098	8BeatPianoBallad
099	6/8PianoMarch
100	PianoWaltz

Effect Type List

Reverb Types

No.	Reverb Type	Description
01–03	Hall 1–3	Concert hall reverb.
04–05	Room 1–2	Small room reverb.
06–07	Stage 1–2	Reverb for solo instruments.
08–09	Plate 1–2	Simulated steel plate reverb.
10	Off	No effect.

Chorus Types

No.	Chorus Type	Description
01–03	Chorus 1–3	Conventional chorus program with rich, warm chorusing.
04–05	Flanger 1–2	This produces a rich, animated wavering effect in the sound.
06	Off	No effect.

Specifications

Size/Weight	Dimensions (W x D x H)		940mm × 317mm × 106mm (37-1/8" x 12-1/2" x 4-1/4")
	Weight		4.0kg (not including batteries) (8lbs 13oz.)
Keyboard	Number of Keys		61
Display	Type		LCD display
	Language		English
Voices	Tone Generation	Tone Generating Technology	AWM Stereo Sampling
	Polyphony	Number of Polyphony (Max.)	32
	Preset	Number of Voices	372 Voices + 13 drum/SFX kits
Effects	Types	Reverb	9 types
		Chorus	5 types
		Ultra-Wide Stereo	3 types
		Master EQ	6 types
	Functions	Panel Sustain	Yes
Accompaniment Styles	Preset	Number of Preset Styles	100
		Fingering	Multi finger
		Style Control	ACMP ON/OFF, SYNC START, START/STOP, INTRO/ENDING/rit, MAIN/AUTO FILL
	Other Features	One Touch Setting (OTS)	Yes
Songs	Preset	Number of Preset Songs	102 (including Chord Study: 12)
Recording	Number of Songs		1
	Number of Tracks		1
	Data Capacity		Approx. 300 notes
	Compatible Data Format		Original File Format
Function	Lesson		[1 LISTEN & LEARN], [2 TIMING], [3 WAITING], [A-B REPEAT], [CHORD DICTIONARY]
	Overall	Metronome	Yes
		Tempo Range	11–280
		Transpose	-12 to 0, 0 to +12
		Tuning	427.0–440.0–453.0 Hz (approx. 0.2Hz increments)
		Duo	Yes
	Miscellaneous	Portable Grand Button	Yes
Connectivity			DC IN 12V, PHONES/OUTPUT, SUSTAIN , AUX IN
Amplifiers/Speakers	Amplifiers		2.5W + 2.5W
	Speakers		12cm x 2
Power Supply	Power Supply	Adaptor	Users within U.S or Europe: PA-130 or an equivalent recommended by Yamaha Others: PA-3C, PA-130 or an equivalent
		Batteries	Six "AA" size alkaline (LR6), manganese (R6) or Ni-MH rechargeable batteries
	Power Consumption		6W (When using PA-130 AC adaptor)
	Auto Power Off Function		Yes
Accessories	Included Accessories		• Music rest • Owner's Manual • AC adaptor *1 (PA-130 or an equivalent recommended by Yamaha) • Online Member Product Registration *1: May not be included depending on your particular area. Please check with your Yamaha dealer.
	Optional Accessories		• AC adaptor: Users within U.S or Europe: PA-130 or an equivalent recommended by Yamaha Others: PA-3C, PA-130 or an equivalent • Keyboard stand: L-2C • Headphones: HPE-150/HPE-30 • Footswitch: FC4A/FC5

* The contents of this manual apply to the latest specifications as of the printing date. Since Yamaha makes continuous improvements to the product, this manual may not apply to the specifications of your particular product. To obtain the latest manual, access the Yamaha website then download the manual file. Since specifications, equipment or separately sold accessories may not be the same in every locale, please check with your Yamaha dealer.

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OBSERVERA!
Apparaten kopplas inte ur växelströmskällan (nätet) så länge som den ar ansluten till vägguttaget, även om själva apparaten har stängts av.

ADVARSEL: Netspændingen til dette apparat er IKKE afbrudt, sålænge netledningen sidder i en stikkontakt, som er tændt — også selvom der er slukket på apparatets afbryder.

VAROITUS: Laitteen toisiopiiriin kytketty käyttökytkin ei irroita koko laitetta verkosta.

(standby)

Entsorgung leerer Batterien (nur innerhalb Deutschlands)
Leisten Sie einen Beitrag zum Umweltschutz. Verbrauchte Batterien oder Akkumulatoren dürfen nicht in den Hausmüll. Sie können bei einer Sammelstelle für Altbatterien bzw. Sondermüll abgegeben werden. Informieren Sie sich bei Ihrer Kommune.

(battery)

Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.
For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

[For business users in the European Union]
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

[Information on Disposal in other Countries outside the European Union]
These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

(weee_battery_eu_en_01)

LIMITED 1-YEAR WARRANTY ON PORTABLE KEYBOARDS (NP, NPV, PSRE, EZ, DGX230, DGX530, YPG AND YPT SERIES)

Thank you for selecting a Yamaha product. Yamaha products are designed and manufactured to provide a high level of defect-free performance. Yamaha Corporation of America ("Yamaha") is proud of the experience and craftsmanship that goes into each and every Yamaha product. Yamaha sells its products through a network of reputable, specially authorized dealers and is pleased to offer you, the Original Owner, the following Limited Warranty, which applies only to products that have been (1) directly purchased from Yamaha's authorized dealers in the fifty states of the USA and District of Columbia (the "Warranted Area") and (2) used exclusively in the Warranted Area. Yamaha suggests that you read the Limited Warranty thoroughly, and invites you to contact your authorized Yamaha dealer or Yamaha Customer Service if you have any questions.

Coverage: Yamaha will, at its option, repair or replace the product covered by this warranty if it becomes defective, malfunctions or otherwise fails to conform with this warranty under normal use and service during the term of this warranty, without charge for labor or materials. Repairs may be performed using new or refurbished parts that meet or exceed Yamaha specifications for new parts. If Yamaha elects to replace the product, the replacement may be a reconditioned unit. You will be responsible for any installation or removal charges and for any initial shipping charges if the product(s) must be shipped for warranty service. However, Yamaha will pay the return shipping charges to any destination within the USA if the repairs are covered by the warranty. This warranty does not cover (a) damage, deterioration or malfunction resulting from accident, negligence, misuse, abuse, improper installation or operation or failure to follow instructions according to the Owner's Manual for this product; any shipment of the product (claims must be presented to the carrier); repair or attempted repair by anyone other than Yamaha or an authorized Yamaha Service Center; (b) any unit which has been altered or on which the serial number has been defaced, modified or removed; (c) normal wear and any periodic maintenance; (d) deterioration due to perspiration, corrosive atmosphere or other external causes such as extremes in temperature or humidity; (e) damages attributable to power line surge or related electrical abnormalities, lightning damage or acts of God; or (f) RFI/EMI (Interference/noise) caused by improper grounding or the improper use of either certified or uncertified equipment, if applicable. Any evidence of alteration, erasing or forgery of proof-of-purchase documents will cause this warranty to be void. This warranty covers only the Original Owner and is not transferable.

In Order to Obtain Warranty Service: Warranty service will only be provided for defective products within the Warranted Area. Contact your local authorized Yamaha dealer who will advise you of the procedures to be followed. If this is not successful, contact Yamaha at the address, telephone number or website shown below. Yamaha may request that you send the defective product to a local authorized Yamaha Servicer or authorize return of the defective product to Yamaha for repair. If you are uncertain as to whether a dealer has been authorized by Yamaha, please contact Yamaha's Service Department at the number shown below, or check Yamaha's website at www.Yamaha.com. Product(s) shipped for service should be packed securely and must be accompanied by a detailed explanation of the problem(s) requiring service, together with the original or a machine reproduction of the bill of sale or other dated, proof-of-purchase document describing the product, as evidence of warranty coverage. Should any product submitted for warranty service be found ineligible therefore, an estimate of repair cost will be furnished and the repair will be accomplished only if requested by you and upon receipt of payment or acceptable arrangement for payment.

Limitation of Implied Warranties and Exclusion of Damages: ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE APPLICABLE PERIOD OF TIME SET FORTH ABOVE. YAMAHA SHALL NOT BE RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE, DAMAGE TO ANY OTHER EQUIPMENT OR OTHER ITEMS AT THE SITE OF USE OR INTERRUPTION OF PERFORMANCES OR ANY CONSEQUENCES. YAMAHA'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT, AT YAMAHA'S OPTION. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This is the only express warranty applicable to the product specified herein; Yamaha neither assumes nor authorizes anyone to assume for it any other express warranty.

If you have any questions about service received or if you need assistance in locating an authorized Yamaha Servicer, please contact:

CUSTOMER SERVICE
Yamaha Corporation of America
6600 Orangethorpe Avenue, Buena Park, California 90620-1373
Telephone: 800-854-1569
www.yamaha.com

Do not return any product to the above address without a written Return Authorization issued by YAMAHA.

For the AC adaptor with a Removable Plug

EN

Do not remove the plug from the AC adaptor. If the plug is removed accidentally, slide the plug into place without touching the metallic parts, and then push the plug in completely until it clicks.

⚠ WARNING

- ***Make sure to keep the plug attached to the AC adaptor. Using the plug alone can cause electric shock or fire.***
- ***Never touch the metallic section when attaching the plug. To avoid electric shock, short circuit or damage, also be careful that there is no dust between the AC adaptor and plug.***

Adaptateur secteur avec fiche amovible

FR

Ne retirez pas la fiche de l'adaptateur secteur. Si la fiche est retirée accidentellement, remettez-la en place sans toucher les parties métalliques et faites-la glisser complètement jusqu'à ce qu'un déclic se produise.

⚠ AVERTISSEMENT

- ***Assurez-vous que la fiche reste fixée à l'adaptateur secteur. L'utilisation de la fiche seule risque de provoquer des électrocutions ou des incendies.***
- ***Ne touchez jamais la partie métallique lorsque vous insérez la fiche. Afin d'éviter les risques d'électrocution, courts-circuits ou incidents, veillez également à ce que l'adaptateur secteur et la fiche ne soient pas encrassés par la poussière.***

Para el adaptador de alimentación con un enchufe extraíble

ES

No retire el enchufe del adaptador de alimentación. Si el enchufe se retira por accidente, vuelva a colocarlo en su lugar sin tocar los componentes metálicos y, a continuación, enchúfelo del todo hasta que se oiga un clic.

⚠ ADVERTENCIA

- ***Asegúrese de mantener el enchufe conectado al adaptador de CA. Si se utiliza el enchufe solo, se puede producir una descarga eléctrica o un incendio.***
- ***No toque nunca la sección metálica al conectar el enchufe. Para evitar descargas eléctricas, cortocircuitos o daños, fíjese en que no haya polvo entre el adaptador de CA y el enchufe.***

Für den Netzadapter mit abziehbarem Stecker

DE

Ziehen Sie den Stecker nicht vom Netzadapter ab. Sollte der Stecker unabsichtlich entfernt werden, schieben Sie den Stecker wieder hinein, ohne die Metallteile zu berühren, und drücken Sie ihn dann vollständig hinein, bis er einrastet.

⚠ WARNUNG

- ***Stellen Sie sicher, dass der Stecker am Netzadapter anschlossen bleibt. Die Verwendung des Steckers alleine kann zu elektrischen Schlägen oder einem Brand führen.***
- ***Berühren Sie bitte niemals den Metallabschnitt, wenn Sie den Stecker befestigen. Um elektrische Schläge, Kurzschlüsse oder Beschädigungen zu vermeiden, achten Sie bitte darauf, dass sich zwischen Netzadapter und Stecker kein Staub angesammelt hat.***

Para o adaptador de alimentação com plugue removível

PT

Não remova o plugue do adaptador de alimentação. Se o plugue for removido acidentalmente, encaixe-o sem tocar nas partes metálicas e, em seguida, empurre-o para dentro completamente até ouvir um clique.

⚠ ADVERTÊNCIAS

- ***Sempre mantenha o plugue conectado ao adaptador CA. O uso do plugue sozinho pode causar choque elétrico ou incêndio.***
- ***Nunca toque na parte metálica ao conectar o plugue. Para evitar choque elétrico, curto-circuito ou danos, também tome cuidado para que não haja poeira entre o adaptador CA e o plugue.***

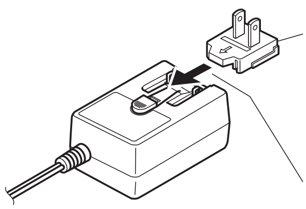
Для адаптера питания со съемной вилкой

RU

Не снимайте вилку с адаптера питания. Если вилка была снята случайно, надвиньте вилку на место, не прикасаясь к металлическим частям, и наденьте ее полностью, до щелчка.

⚠ ПРЕДУПРЕЖДЕНИЕ

- **Убедитесь, что вилка соединена с блоком питания. Использование вилки без блока питания может привести к поражению электрическим током или пожару.**
- **Не прикасайтесь к металлическим частям при подключении вилки. Во избежание поражения электрическим током, короткого замыкания или повреждения оборудования убедитесь, что между блоком питания и вилкой нет пыли.**



* The shape of the plug differs depending on locale.
* La forme de la fiche varie selon le pays.
* La forma del enchufe varía según la región.
* Die Form des Steckers variiert je nach Land.
* O formato do plugue varia de acordo com a localidade.
* В разных странах штепсельные вилки отличаются по форме.

Important Notice: Guarantee Information for customers in European Economic Area (EEA) and Switzerland

English

Important Notice: Guarantee Information for customers in EEA* and Switzerland
For detailed guarantee information about this Yamaha product, and Pan-EEA* and Switzerland warranty service, please either visit the website address below (Printable file is available at our website) or contact the Yamaha representative office for your country. * EEA: European Economic Area

Deutsch

Wichtiger Hinweis: Garantie-Information für Kunden in der EWR* und der Schweiz
Für nähere Garantie-Information über dieses Produkt von Yamaha, sowie über den Pan-EWR*- und Schweizer Garantieservice, besuchen Sie bitte entweder die folgend angegebene Internetadresse (eine druckfähige Version befindet sich auch auf unserer Webseite), oder wenden Sie sich an den für Ihr Land zuständigen Yamaha-Vertrieb. *EWR: Europäischer Wirtschaftsraum

Français

Remarque importante: informations de garantie pour les clients de l'EEE et la Suisse
Pour des informations plus détaillées sur la garantie de ce produit Yamaha et sur le service de garantie applicable dans l'ensemble de l'EEE ainsi qu'en Suisse, consultez notre site Web à l'adresse ci-dessous (le fichier imprimable est disponible sur notre site Web) ou contactez directement Yamaha dans votre pays de résidence. * EEE : Espace Economique Européen

Nederlands

Belangrijke mededeling: Garantie-informatie voor klanten in de EER* en Zwitserland
Voor gedetailleerde garantie-informatie over dit Yamaha-product en de garantieservice in heel de EER* en Zwitserland, gaat u naar de onderstaande website (u vind een afdrukbaar bestand op onze website) of neemt u contact op met de vertegenwoordiging van Yamaha in uw land. * EER: Europese Economische Ruimte

Español

Aviso importante: información sobre la garantía para los clientes del EEE* y Suiza
Para una información detallada sobre este producto Yamaha y sobre el soporte de garantía en la zona EEE* y Suiza, visite la dirección web que se incluye más abajo (la version del archivo para imprimir esta disponible en nuestro sitio web) o póngase en contacto con el representante de Yamaha en su país. * EEE: Espacio Económico Europeo

Italiano

Avviso importante: informazioni sulla garanzia per i clienti residenti nell'EEA* e in Svizzera
Per informazioni dettagliate sulla garanzia relativa a questo prodotto Yamaha e l'assistenza in garanzia nei paesi EEA* e in Svizzera, potete consultare il sito Web all'indirizzo riportato di seguito (è disponibile il file in formato stampabile) oppure contattare l'ufficio di rappresentanza locale della Yamaha. * EEA: Area Economica Europea

Português

Aviso importante: informações sobre as garantias para clientes da AEE* e da Suíça
Para obter uma informação pormenorizada sobre este produto da Yamaha e sobre o serviço de garantia na AEE* e na Suíça, visite o site a seguir (o arquivo para impressão está disponível no nosso site) ou entre em contato com o escritório de representa-ção da Yamaha no seu país. * AEE: Área Econômica Européia

Ελληνικά

Σημαντική σημείωση: Πληροφορίες εγγύησης για τους πελάτες στον ΕΟΧ* και Ελβετία
Για λεπτομερείς πληροφορίες εγγύησης σχετικά με το παρόν προϊόν της Yamaha και την κάλυψη εγγύησης σε όλες τις χώρες του ΕΟΧ και την Ελβετία, επισκεφτείτε την παρακάτω ιστοσελίδα (Εκτυπώσιμη μορφή είναι διαθέσιμη στην ιστοσελίδα μας) ή απευθυνθείτε στην αντιπροσωπεία της Yamaha στη χώρα σας. * ΕΟΧ: Ευρωπαϊκός Οικονομικός Χώρος

Svenska

Viktigt: Garantiinformation för kunder i EES-området* och Schweiz
För detaljerad information om denna Yamahaprodukt samt garantiservice i hela EES-området* och Schweiz kan du antingen besöka nedanstående webbaddress (en utskriftsvänlig fil finns på webbplatsen) eller kontakta Yamahas officiella representant i ditt land. * EES: Europeiska Ekonomiska Samarbetsområdet

Norsk

Viktig merknad: Garantiinformasjon for kunder i EØS* og Sveits
Detaljert garantiinformasjon om dette Yamaha-produktet og garantiservice for hele EØS-området* og Sveits kan fås enten ved å besøke nettadressen nedenfor (utskriftsversjon finnes på våre nettsider) eller kontakte kontakte Yamaha-kontoret i landet der du bor. *EØS: Det europeiske økonomiske samarbeidsområdet

Dansk

Vigtig oplysning: Garantioplysninger til kunder i EØO* og Schweiz
De kan finde detaljerede garantioplysninger om dette Yamaha-produkt og den fælles garantiserviceordning for EØO* (og Schweiz) ved at besøge det websted, der er angivet nedenfor (der findes en fil, som kan udskrives, på vores websted), eller ved at kontakte Yamahas nationale repræsentationskontor i det land, hvor De bor. * EØO: Det Europæiske Økonomiske Område

Suomi

Tärkeä ilmoitus: Takuutiedot Euroopan talousalueen (ETA)* ja Sveitsin asiakkaille
Tämän Yamaha-tuotteen sekä ETA-alueen ja Sveitsin takuuta koskevat yksityiskohtaiset tiedot saatte alla olevasta nettiosoit-teesta. (Tulostettava tiedosto saatavissa sivustollamme.) Voitte myös ottaa yhteyttä paikalliseen Yamaha-edustajaan.
*ETA: Euroopan talousalue

Polski

Ważne: Warunki gwarancyjne obowiązujące w EOG* i Szwajcarii
Aby dowiedzieć się więcej na temat warunków gwarancyjnych tego produktu firmy Yamaha i serwisu gwarancyjnego w całym EOG* i Szwajcarii, należy odwiedzić wskazaną poniżej stronę internetową (Plik gotowy do wydruku znajduje się na naszej stronie internetowej) lub skontaktować się z przedstawicielstwem firmy Yamaha w swoim kraju. * EOG — Europejski Obszar Gospodarczy

Česky

Důležité oznámení: Záruční informace pro zákazníky v EHS* a ve Švýcarsku
Podrobné záruční informace o tomto produktu Yamaha a záručním servisu v celém EHS* a ve Švýcarsku naleznete na níže uvedené webové adrese (soubor k tisku je dostupný na našich webových stránkách) nebo se můžete obrátit na zastoupení firmy Yamaha ve své zemi. * EHS: Evropský hospodářský prostor

Magyar

Fontos figyelmeztetés: Garancia-információk az EGT* területén és Svájcban élő vásárlók számára
A jelen Yamaha termékre vonatkozó részletes garancia-információk, valamint az EGT*-re és Svájcra kiterjedő garanciális szolgáltatás tekintetében keresse fel webhelyünket az alábbi címen (a webhelyen nyomtatható fájlt is talál), vagy pedig lépjen kapcsolatba az országában működő Yamaha képviseleti irodával. * EGT: Európai Gazdasági Térség

Eesti keel

Oluline märkus: Garantiiteave Euroopa Majanduspiirkonna (EMP)* ja Šveitsi klientidele
Täpsema teabe saamiseks selle Yamaha toote garantii ning kogu Euroopa Majanduspiirkonna ja Šveitsi garantiiteeninduse kohta, külastage palun veebisaiti alljärgneval aadressil (meie saidil on saadaval prinditav fail) või pöörduge Teie regiooni Yamaha esinduse poole. * EMP: Euroopa Majanduspiirkond

Latviešu

Svarīgs paziņojums: garantijas informācija klientiem EEZ* un Šveicē
Lai saņemtu detalizētu garantijas informāciju par šo Yamaha produktu, kā arī garantijas apkalpošanu EEZ* un Šveicē, lūdzu, apmeklējiet zemāk norādīto tīmekļa vietnes adresi (tīmekļa vietnē ir pieejams drukājams fails) vai sazinieties ar jūsu valsti apkalpojošo Yamaha pārstāvniecību. * EEZ: Eiropas Ekonomikas zona

Lietuvių kalba

Dėmesio: informacija dėl garantijos pirkėjams EEE* ir Šveicarijoje
Jei reikia išsamios informacijos apie šį „Yamaha" produktą ir jo techninę priežiūrą visoje EEE* ir Šveicarijoje, apsilankykite mūsų svetainėje toliau nurodytu adresu (svetainėje yra spausdintinas failas) arba kreipkitės į „Yamaha" atstovybę savo šaliai.
*EEE – Europos ekonominė erdvė

Slovenčina

Dôležité upozornenie: Informácie o záruke pre zákazníkov v EHP* a Švajčiarsku
Podrobné informácie o záruke týkajúce sa tohto produktu od spoločnosti Yamaha a garančnom servise v EHP* a Švajčiarsku nájdete na webovej stránke uvedenej nižšie (na našej webovej stránke je k dispozícii súbor na tlač) alebo sa obráťte na zástupcu spoločnosti Yamaha vo svojej krajine. * EHP: Európsky hospodársky priestor

Slovenščina

Pomembno obvestilo: Informacije o garanciji za kupce v EGP* in Švici
Za podrobnejše informacije o tem Yamahinem izdelku ter garancijskem servisu v celotnem EGP in Švici, obiščite spletno mesto, ki je navedeno spodaj (natisljiva datoteka je na voljo na našem spletnem mestu), ali se obrnite na Yamahinega predstavnika v svoji državi. * EGP: Evropski gospodarski prostor

Български език

Важно съобщение: Информация за гаранцията за клиенти в ЕИП* и Швейцария
За подробна информация за гаранцията за този продукт на Yamaha и гаранционното обслужване в паневропейската зона на ЕИП* и Швейцария или посетете посочения по-долу уеб сайт (на нашия уеб сайт има файл за печат), или се свържете с представителния офис на Yamaha във вашата страна. * ЕИП: Европейско икономическо пространство

Limba română

Notificare importantă: Informaţii despre garanţie pentru clienţii din SEE* şi Elveţia
Pentru informaţii detaliate privind acest produs Yamaha şi serviciul de garanţie Pan-SEE* şi Elveţia, vizitaţi site-ul la adresa de mai jos (fişierul imprimabil este disponibil pe site-ul nostru) sau contactaţi biroul reprezentanţei Yamaha din ţara dumneavoastră. * SEE: Spaţiul Economic European

http://europe.yamaha.com/warranty/

URL_4

For details of products, please contact your nearest Yamaha representative or the authorized distributor listed below.

NORTH AMERICA

CANADA
Yamaha Canada Music Ltd.
135 Milner Avenue, Toronto, Ontario, M1S 3R1, Canada
Tel: 416-298-1311

U.S.A.
Yamaha Corporation of America
6600 Orangethorpe Avenue, Buena Park, CA 90620, U.S.A.
Tel: 714-522-9011

CENTRAL & SOUTH AMERICA

MEXICO
Yamaha de México, S.A. de C.V.
Av. Insurgentes Sur 1647 “Prisma Insurgentes”, Col. San Jose Insurgentes, Del. Benito Juarez, 03900, Mexico, D.F.
Tel: 55-5804-0600

BRAZIL
Yamaha Musical do Brasil Ltda.
Rua Joaquim Floriano, 913 - 4º andar, Itaim Bibi, CEP 04534-013 São Paulo, SP. BRAZIL
Tel: 011-3704-1377

ARGENTINA
Yamaha Music Latin America, S.A., Sucursal Argentina
Olga Cossettini 1553, Piso 4 Norte, Madero Este-C1107CEK Buenos Aires, Argentina
Tel: 54-11-4119-7000

VENEZUELA
Yamaha Music Latin America, S.A., Sucursal Venezuela
C.C. Manzanares Plaza P4 Ofic. 0401- Manzanares-Baruta Caracas Venezuela
Tel: 58-212-943-1877

PANAMA AND OTHER LATIN AMERICAN COUNTRIES/ CARIBBEAN COUNTRIES
Yamaha Music Latin America, S.A.
Torre Banco General, Piso No.7, Marbella, Calle 47 y Aquilino de la Guardia, Ciudad de Panamá, República de Panamá
Tel: +507-269-5311

EUROPE

THE UNITED KINGDOM/IRELAND
Yamaha Music Europe GmbH (UK)
Sherbourne Drive, Tilbrook, Milton Keynes, MK7 8BL, U.K.
Tel: 01908-366700

GERMANY
Yamaha Music Europe GmbH
Siemensstraße 22-34, 25462 Rellingen, Germany
Tel: 04101-3030

SWITZERLAND/LIECHTENSTEIN
Yamaha Music Europe GmbH Branch Switzerland in Zürich
Seefeldstrasse 94, 8008 Zürich, Switzerland
Tel: 044-387-8080

AUSTRIA
Yamaha Music Europe GmbH Branch Austria
Schleiergasse 20, A-1100 Wien, Austria
Tel: 01-60203900

CZECH REPUBLIC/HUNGARY/ ROMANIA/SLOVAKIA/SLOVENIA
Yamaha Music Europe GmbH Branch Austria (Central Eastern Europe Office)
Schleiergasse 20, A-1100 Wien, Austria
Tel: 01-60203900

POLAND/LITHUANIA/LATVIA/ ESTONIA
Yamaha Music Europe GmbH Branch Poland Office
ul. Wrotkowa 14 02-553 Warsaw, Poland
Tel: 022-500-2925

BULGARIA
Dinacord Bulgaria LTD.
Bul.Iskarsko Schose 7 Targowski Zentar Ewropa 1528 Sofia, Bulgaria
Tel: 02-978-20-25

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Olimpus Music Ltd.
The Emporium, Level 3, St. Louis Street Msida MSD06
Tel: 02133-2144

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Yamaha Music Europe Branch Benelux
Clarissenhof 5-b, 4133 AB Vianen, Netherlands
Tel: 0347-358 040

FRANCE
Yamaha Music Europe
7 rue Ambroise Croizat, Zone d'activites Pariest, 77183 Croissy-Beaubourg, France
Tel: 01-64-61-4000

ITALY
Yamaha Music Europe GmbH, Branch Italy
Viale Italia 88, 20020 Lainate (Milano), Italy
Tel: 02-935-771

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Yamaha Music Europe GmbH Ibérica, Sucursal en España
Ctra. de la Coruna km. 17,200, 28231 Las Rozas (Madrid), Spain
Tel: +34-91-639-88-88

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Philippos Nakas S.A. The Music House
147 Skiathou Street, 112-55 Athens, Greece
Tel: 01-228 2160

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J. A. Wettergrensgata 1, Box 30053 S-400 43 Göteborg, Sweden
Tel: +46 31 89 34 00

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Yamaha Music Europe GmbH, Tyskland – filial Denmark
Generatorvej 6A, DK-2730 Herlev, Denmark
Tel: 44 92 49 00

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F-Musiikki Oy
Kluuvikatu 6, P.O. Box 260, SF-00101 Helsinki, Finland
Tel: 09 618511

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Yamaha Music Europe GmbH Germany - Norwegian Branch
Grini Næringspark 1, N-1361 Østerås, Norway
Tel: 67 16 78 00

ICELAND
Skifan HF
Skeifan 17 P.O. Box 8120, IS-128 Reykjavik, Iceland
Tel: 525 5000

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Yamaha Music (Russia) LLC.
Room 37, bld. 7, Kievskaya street, Moscow, 121059, Russia
Tel: 495 626 5005

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Yamaha Music Europe GmbH Merkezi Almanya Türkiye İstanbul Şubesi
Maslak Meydan Sokak No:5 Spring Giz Plaza Bağımsız Böl. No:3, 34398 Şişli, İstanbul
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Yamaha Music Europe GmbH
Siemensstraße 22-34, 25462 Rellingen, Germany
Tel: +49-4101-3030

AFRICA/MIDDLE EAST

SOUTH AFRICA
Global Music Instruments World of Yamaha
19 Eastern Service Road, Eastgate Ext.6, Sandton, South Africa
Tel: +27-11-259-7700

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LOB 16-513, P.O.Box 17328, Jebel Ali, Dubai, United Arab Emirates
Tel: +971-4-881-5868

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2F, Yunhedasha, 1818 Xinzha-lu, Jingan-qu, Shanghai, China
Tel: 400-051-7700

HONG KONG
Tom Lee Music Co., Ltd.
11/F., Silvercord Tower 1, 30 Canton Road, Tsimshatsui, Kowloon, Hong Kong
Tel: 2737-7688

INDIA
Yamaha Music India Pvt. Ltd.
Spazedge building, Ground Floor, Tower A, Sector 47, Gurgaon- Sohna Road, Gurgaon, Haryana, India
Tel: 0124-485-3300

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PT. Yamaha Musik Indonesia (Distributor)
Yamaha Music Center Bldg. Jalan Jend. Gatot Subroto Kav. 4, Jakarta 12930, Indonesia
Tel: 021-520-2577

KOREA
Yamaha Music Korea Ltd.
8F, 9F, Dongsung Bldg. 158-9 Samsung-Dong, Kangnam-Gu, Seoul, Korea
Tel: 02-3467-3300

MALAYSIA
Yamaha Music (Malaysia) Sdn., Bhd.
No.8, Jalan Perbandaran, Kelana Jaya, 47301 Petaling Jaya, Selangor, Malaysia
Tel: 03-78030900

SINGAPORE
Yamaha Music (Asia) Private Limited
Block 202 Hougang Street 21, #02-00, Singapore 530202, Singapore
Tel: 65-6747-4374

TAIWAN
Yamaha Music & Electronics Taiwan Co.,Ltd.
3F, No.6, Section 2 Nan-Jing East Road, Taipei, Taiwan R.O.C.
Tel: 02-2511-8688

THAILAND
Siam Music Yamaha Co., Ltd.
3, 4, 15 and 16th floor, Siam Motors Building, 891/1 Rama 1 Road, Wangmai, Pathumwan, Bangkok 10330, Thailand
Tel: 02-215-2622

VIETNAM
Yamaha Music Vietnam Company Limited
15th Floor, Nam A Bank Tower, 201-203 Cach Mang Thang Tam St., Ward 4, Dist.3, Ho Chi Minh City, Vietnam
Tel: +84-8-3818-1122

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Tel: 3-9693-5111

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DMI8

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Manual Development Department

Published 02/2015 POHD-A0
Printed in China

ZN45630

ZN45630